GEORGE BROWN THE CITY COLLEGE

Post Secondary Programs 1984

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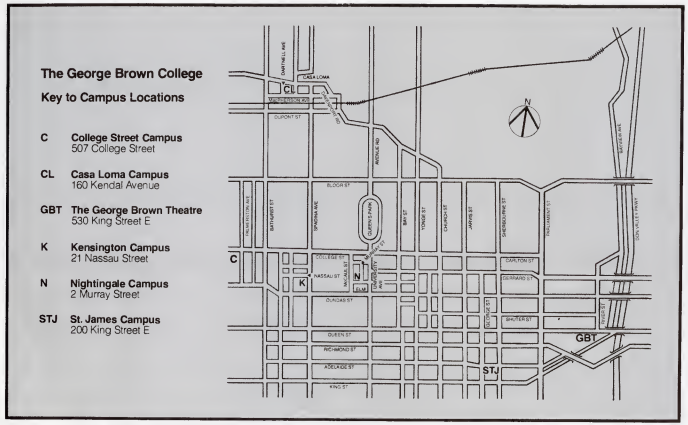
Cover design by Graphic Design Student Vida Jasinevicius

Campus Locations



Facilities

After many years of moving in and out of temporary premises and the construction of new buildings, the College has now settled into five main campuses, all located in the inner City.

Casa Loma Campus, at 160 Kendal Avenue, opened in the fall of 1973. Its main building houses most of the construction technology programs and has been specially designed so students can study its construction. Health Sciences, Jewellery Arts and Ceramics programs are also located at this campus.

St. James Campus, is located on the north side of King Street between Jarvis and Sherbourne. The historical building dates back to 1874, when the first segment was built by Christie-Brown Bakery Company. When the College took it over in 1971, the building was completely gutted inside, and rebuilt to modern specifications. The attractive exterior has been completely restored. It now houses programs in Electronics, Business, Graphic Arts, Nursing and Dance.

Kensington Campus, at 21 Nassau Street, is located in the heart of one of Toronto's most interesting ethnic areas. The famous Kensington outdoor market is just steps away. Kensington Campus has programs in Food and Fashion Technology.

College Campus, on the south side of College Street west of Bathurst, is a short walk from Kensington. It houses the Language Training Centre.

Nightingale Campus, is located at 2 Murray Street just west of University Avenue on Elm Street. All post-diploma Nursing and Community Services programs are conducted at this campus.

258 Adelaide St., adjacent to St. James Campus, houses the Industrial Training Division, Continuing Education and all Real Estate programs.

Theatre Arts, has its own facility in addition to these five main campuses. The building is located at 530 King Street East, and is used for the department's performances as well as regular classes.

Admission Procedures

General Public

The general public may obtain information and application forms by writing to Information Services, The George Brown College, P.O. Box 1015, Station B, Toronto, Ontario, M5T 2T9 or by telephoning 967-1212 and asking for "information".

Secondary School Students

Secondary school students intending to enter George Brown College are advised to consult, during the fall term, with a guidance counsellor who will supply information and application forms.

Application forms must be accompanied by **ONE** of the following documents:

i) An official transcript of all secondary school marks showing the necessary credits and grades for admission to the desired program.

OR

ii) A statement from the secondary school principal stating that the applicant is expected to obtain the necessary credits and grades for admission to the desired program, this statement must be substantiated by an official transcript of marks when it becomes available.

Mature Applicants

Applicants, nineteen years of age or older, who do not meet the stated admission requirements will be considered as mature students. Such applicants may be admitted if they appear to possess the capacity and maturity to succeed. Pre-entry testing and/or interview will be required. Applicants applying as mature students must supply proof that they will be at least nineteen years of age before commencement of their College program.

NOTE: This category is not open to applicants from foreign countries.

Admission Requirements

The minimum requirement for admission to any post-secondary program is an Ontario Secondary School Graduation Diploma (27 credits) or equivalent. Many programs also require standing in particular subject areas or achievement of specific skills. Please consult individual program descriptions for the additional requirements.

Application Processing Dates

Applications may be submitted after January 1st. Selection procedures may commence January 1st. Acceptances will be issued from April 1st. All applications postmarked by February 15th will be treated on an equal basis.

Programs Whose Enrolment is Limited

The exact number of seats available in any College program changes from time to time based on College facilities and the policies of the Provincial Government. The programs which are affected may be different ones from year to year so information is not published far in advance. Each year, however, the names of programs that have limits for the current application cycle will be available through the Secondary School Liaison Program and the Central Admissions Office.

Selection Procedures

For many programs, the number of applicants who possess the basic or minimum requirements for admission far exceeds the number of seats available.

Colleges of Applied Arts and Technology do not admit students solely on the basis of academic achievement (grades) nor do they recognize students having completed additional studies beyond Grade 12 or its equivalent as having any advantage over those with the minimum criteria.

Therefore, to ensure that the individuals who have the highest probability of success in the program and who are most likely to find employment in the fields and careers for which the program is designed, the College asks applicants to certain programs to take part in an additional process. This "selection" process may involve an interview (either individual or group), a general information exchange session with other applicants and staff, writing various tests, completing a questionnaire or demonstrating specific skills, talents or capabilities, or any combination of these.

Selection procedures may be changed at any time to meet the needs of the College and the applicants. Applicants will receive information about what is expected of them after their applications has been acknowledged. In some cases, the process is step-by-step; applicants may be excluded at any step.

Finally, after all of the prescribed and meaningful selection procedures have been completed and more qualified applicants remain than there are places available, the Ministry has approved that the candidates to be admitted will be selected at random from among the remaining applicants until the available seats are filled.

Decisions on Admission

Applications are assessed by the Central Admissions Section of the College Registrar's Office which is empowered to accept, defer or reject any candidate's application for admission to any program.

When special selection processes are part of the assessment process, representatives of the Dean of the relevant academic division may also be involved by recommending a decision to Central Admissions.

In cases of appeal, the Registrar will convene the College Board of Admissions which will hear all aspects of the case and whose decision will be final.

Priority of Admissions

Students will be admitted in the following order of preference:

1. Permanent residents of Ontario;
2. Permanent residents of other Canadian provinces;
3. Overseas students from Commonwealth countries;
4. Students from other foreign countries.

Students from Foreign Countries

Students from foreign countries are eligible for post-secondary programs provided they can demonstrate an academic standing equivalent to Ontario high school graduation, establish proficiency in both spoken and written English, fulfill any selective admission criteria for the program for which application is being made, and obtain permission from the Canadian immigration authorities to remain in the country for the length of the program.

Changes to Published Information

The description of program offerings contained in this calendar guide is a statement of intention on the part of the College which will be carried out as closely as circumstances permit. The policies and procedures were those in effect at the time of publication.

However, the College reserves the right to change without notice any published information which may subsequently require correction or amendment due to circumstances beyond its control. Inquirers or applicants will be advised of any such changes.

The College also reserves the right to change or cancel a program or course when enrolment is insufficient or employment opportunities for graduates appear inadequate and to withdraw offers of acceptance or refund any fees paid for such programs or courses.

Fees

The annual tuition fee for post-secondary programs is $520 for programs of 32 weeks in length and is standard across Ontario. However, each program could have a different fee depending on its actual length and the "weighting" of the program set by the Ministry of Colleges and Universities.

There is also a fixed fee of $60. Of this, $50 is the Student Activity Fee collected on behalf of the Student Councils, the remainder covers locker, athletic and graduation expenses.

Fees are payable in two installments, the first by July 15th and the second in January.

In addition to the cost of books, supplies and other educational expenses usually paid by students and which may vary widely according to program and individual habit, some programs require extra expenses ranging from one to several hundred dollars for uniforms, equipment and materials retained by the student.

Detailed information on fees, payment dates, refunds and registration is available in the Registrar's Office and is issued with registration instructions.

Foreign students on Student Authorizations will pay $4,320 and must pay their fees for the entire academic year by July 15th.

Fees are subject to change without notice subject to the approval of the Government of Ontario and/or the College Board of Governors.

Financial Assistance

Applicants for admission to a post-secondary program, who are Canadian Citizens or landed immigrants having resided in the country for at least 12 consecutive months prior to enrolment, may be eligible for financial assistance under the terms of the Ontario Student Assistance Program. Canadian residents and landed immigrants may be eligible for assistance under the Canadian Student Loans Plan.

Further information and application forms for student financial assistance are available at all secondary schools and the Student Services Office of the George Brown College, telephone 967-1212, Exts. 2281 or 2285.

Services

- ACCOMMODATION information is available in the Student Services Office at 500 MacPherson Avenue. There is no shortage of boarding and rooming facilities in Toronto, rates vary from $75 to $100 per week for room and board.
- COUNSELLING SERVICES are available on each campus to provide educational, vocational, and personal counselling.
- HEALTH CENTRES are staffed by Registered Nurses who provide emergency care in the case of accident or illness.
- LIBRARIES providing for study needs and leisure reading, operate on each campus.
- OHIP (Ontario Hospital Insurance Plan) coverage is the responsibility of each student.
- CAMPUS PLACEMENT OFFICES provide career planning and employment search information and maintain contact with potential employers on behalf of graduates.
  Students are advised of permanent, part-time and summer employment opportunities.
- ATHLETIC activities are co-ordinated from the office at the St. James Campus gymnasium. There are also gymnasia at Casa Loma and Kensington. Information about the programs can be obtained by telephoning 967-1212 Ext. 3280.
- TRANSPORTATION on the GO trains is available at reduced rates for students in full-time attendance for more than 12 consecutive weeks and who are not employed full-time. Further information may be obtained by telephoning (416) 630-3933.
  College students are well served at all campuses by the routes of the Toronto Transit Commission but are not eligible for any reduction in fares.
- BOOKSTORES are located on each campus with the exception of Nightingale and are well equipped to supply most of the needs of students in all programs at the College.

ALLIED HEALTH

Fitness Instructor

GBC Code PE140

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English, Mathematics, Chemistry and Biology at or above the general level, or equivalent.
Qualified applicants will attend a compulsory orientation session.

The Fitness Instructor Program develops professionals to meet the multi-faceted demands of a growing industry. The program prepares students to find a career in business or service agencies that concern themselves with racquet clubs, industrial complexes, parks and recreation departments, apartment complexes, YM/YWCA and Jewish community centres. Specialized areas involved ECG technicians, rehabilitation and diet clinic personnel.

The curriculum develops skills in the areas of exercise class leadership, fitness assessment, individual programming design, program demonstrations, lifestyle and nutrition counselling and general management assistance. Utilizing these skills the occupational functions of a Fitness Instructor vary widely depending upon the place of employment. Basically a Fitness Instructor provides interpersonal services involving unique montivational, technical and organizational skills resulting in safe and effective fitness guidance.

SEMESTER 1 15 WEEKS

PHY105	Muscle Physiology
ANAT108	Kinesiology I
FIT105	Introduction to Fitness Testing I
FIT107	Applied Exercise Techniques I
NUT104	Nutrition I
HEAL102	First Aid
HR100	Human Relations
BIO110	Biology for Fitness
ENG141	Language and Communications I

SEMESTER 2 19 WEEKS

NUT105	Nutrition II
FIT106	Introduction to Fitness Testing II
ANAT109	Kinesiology II
FIT108	Applied Exercise Techniques II
HEAL101	Prevention and Treatment of Injuries
PHYS106	Physiology of Exercise
FIT109	Introduction to Exercise Class Leadership
FIT110	Fitness Testing Clinic
HR100	Human Relations
MATH112	Mathematics
ENG192	Language and Communications II

SEMESTER 3 15 WEEKS

NUT201	Nutrition Counselling (Special Cases)
ADM201	Exercise Class Leadership
FIT200	Advanced Fitness Testing
ADM203	Fitness Management Projects
FIT206	Fitness Club (Clinical) Expenence
FIT205	E C G Monitoring Techniques
HR205	Fitness Counselling

SEMESTER 4 19 WEEKS

NUT201	Nutrition Counselling (Special Cases)
FIT200	Advanced Fitness Testing
ADM201	Exercise Class Leadership
FIT204	Racquet Sports Skills
FIT202	Guidelines to Exercise Programming
ADM203	Fitness Management Projects
FIT206	Fitness Club (Clinical) Experience
Outside College Activity	
PROJ205	Co-Op Training in Fitness Field

Courses offered and curriculum order may be subject to change.

Early Childhood Education

GBC Code AP105

Nightingale Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level or equivalent. Qualified applicants will complete a questionnaire and be interviewed.

Background: Experience of working with infants and young children is desirable, although not essential.

Early Childhood Education is a two-year post secondary program designed to train students to work with young children ranging in age from infancy to ten years.

Courses focus on skill development , knowledge and attitudes. Each semester is divided into two blocks; one block is for academic studies, and the other is for field placement where students have the opportunity to integrate theory and practice.

Field placements occur in a variety of local settings including nursery schools, day care centres, kindergartens, hospital playrooms and community centres. They are planned to provide a series of experiences which enhance individual growth and development.

Graduates receive an early childhood education diploma and are eligible, after two year's work experience, to apply for certification by the Association for Early Childhood Education of Ontario.

Career Prospects: The graduate may find employment in government and private day care centres and nursery schools. Opportunities also exist in Pediatric Playrooms, Special Education settings, Junior Kindergarten and Therapeutic Nursery Programs.

SEMESTER 1 15 WEEKS

ECE100	Infant and Child Development
ECE101	Health and Nutrition
PSY107	Introductory Psychology
ECE103	Interpersonal Communications
ECE104	Principles of Day Care I
ECE105	Art Education
SOC106	Introductory Sociology
ECE118	Parent Education I
ECE116	Storytelling and Literature
ECE117	Music
ECE110	Field Work Seminar
ECE113	Field Practice
ENG114	Language and Communications

SEMESTER 2 19 WEEKS

ECE100	Infant and Child Development
ECE101	Health and Nutrition
PSY107	Introductory Psychology
ECE103	Interpersonal Communications
ECE104	Principles of Day Care I
ECE105	Art Education
SOC106	Introductory Sociology
ECE111	Field Work Seminar
ECE116	Storytelling and Literature
ECE117	Music
ECE114	Field Practice
ECE118	Parent Education I
ENG114	Language and Communications
MED102	First Aid

SEMESTER 3 15 WEEKS

ECE200	Human Growth and Development
ECE201	Children with Special Needs
ECE202	Curriculum Development
ECE204	History and Philosophy of E C E.
ECE203	Planning Management and Legislation
ECE206	Family Dynamics
ECE207	Parent Education II
ECE208	Professional Development
ECE210	Field Work Seminar
ECE212	Field Practice
ECE215	Movement and Drama
ECE216	Science Experience
ECE217	Principles of Day Care II

SEMESTER 4 19 WEEKS

ECE200	Human Growth and Development
ECE201	Children with Special Needs
ECE202	Curriculum Development
ECE204	History and Philosophy of E C E.
ECE203	Planning Management and Legislation
ECE206	Family Dynamics
ECE207	Parent Education II
ECE208	Professional Development
ECE210	Field Work Seminar
ECE212	Field Practice
ECE215	Movement and Drama
ECE216	Science Experience
ECE217	Principles of Day Care II

Courses offered and curriculum order may be subject to change.

Activation Co-Ordinator

GBC Code AP109

Nightingale Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 including English, at or above the general level, or equivalent. Qualified applicants will complete a questionnaire and be interviewed.

The objective of the program is to provide training for persons seeking to become employed in activity programming in either institutional or community settings providing services for elderly and/or handicapped persons.

SEMESTER 1 15 WEEKS

ACT101	Community Resources
ACT103	Ambulation and Exercise
ACT100	Growth and Development
ACT105	Use of Crafts and Hobbies I
ENG128	Communications I
FLDW101	Field Work Seminar
FLDP101	Field Practice
PSY169	Introductory Psychology

SEMESTER 2 19 WEEKS

ACT102	Working With The Handicapped
ACT104	Activity Planning
GERI100	Geriatric Impairments
PSY114	Psycho-Social Needs
FLDW102	Field Work Seminar
FLDP102	Field Practice
SOC172	Introductory Sociology
ENG223	Adult Learning Skills and Group Process
MED102	First Aid

SEMESTER 3 15 WEEKS

ACT207	Creative Programming
ACT209	Special Purpose Groups
ACT106	Normalization and Remotivation
FLDW203	Field Work Seminar
FLDP203	Field Practice
ACT208	Assessment Skills

SEMESTER 4 19 WEEKS

PSY205	Psycho-Geriatrics
BUS210	Organization and Management Skills
CS200	Coordination Skills
PDE200	Program Development and Evaluation
FLDW204	Field Work Seminar
FLDP204	Field Practice

Child Care Worker

GBC Code AP101

Nightingale Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 including English,at or above the general level or equivalent. Qualified applicants will complete a questionnaire and be interviewed.

The objectives of the program are to develop therapeutic skills and abilities in students, enabling them to work creatively with other professionals concerned with the treatment and rehabilitation of children and adolescents with problems. The academic subjects taken in the program are correlated closely with continuous supervised practical experience. The development of self-awareness and emotional maturity is emphasized as well as the ability to understand the degree of one's involvement with people.

SEMESTER 1 15 WEEKS

CHI160	Field Practice
CHI161	Human Growth and Development
CHI164	Caring for the Disturbed Child
CHI100	Interviewing and Counselling
PSY169	Introductory Psychology
CHI101	Therapeutic Activities
CHI172	Group Process I
CHI167	Student Group Seminar
CHI162	Health First Aid

SEMESTER 2 19 WEEKS

CHI160	Field Practice
CHI161	Human Growth and Development
CHI100	Interviewing and Counselling
CHI167	Student Group Seminar
SOC171	Introductory Sociology
CHI164	Caring for the Disturbed Child
CHI101	Therapeutic Activities
CHI166	Social Services

SEMESTER 3 15 WEEKS

CHI260	Field Practice
PSY261	Psychopathology of Childhood
CHI262	Caring for the Disturbed Child
CHI272	Working with Families
CHI267	Student Group Seminar
CHI275	Adolescence
CHI279	Values, Ethics and Professionalism

SEMESTER 4 19 WEEKS

CHI260	Field Practice
PSY261	Psychopathology of Childhood
CHI262	Caring for the Disturbed Child
CHI268	Treatment Philosophies
CHI277	Integration of Theory and Practice
CHI278	Organizational Development
CHI267	Student Group Seminar
CHI276	Adolescent Role and Identity

Courses offered and curriculum order may be subject to change

Addiction Counsellor

GBC Code AP103

Nightingale Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Qualified applicants will complete a questionnaire and be interviewed.

This program prepares the student to be a counsellor in the mental health field with a special expertise in problems related to drug and alcohol dependencies and to serve a variety of individuals, agencies and communities.

The original concept of the program was developed by the Addiction Research Foundation of Ontario which, together with other agencies and organizations, continues to give guidance and advice. The program provides academic instruction (3 days per week during the first year and 2 days per week during the second year) in subjects related to human growth and behaviour, mental health, and the treatment of differing forms of addiction.

SEMESTER 1 15 WEEKS

AD100	Field Practice
AD101	Human Growth and Behaviour I
AD102	Group Process I
AD103	Social Services, Problems and Issues
AD105	Basic Studies in Addiction
AD106	Theory, Methods and Practice of Counselling I
AD112	Field Work Seminar
SOC109	Sociology
ELECT000	Elective

Choose 1 of the Following 2 Electives

ENG113	Language and Communications
ENG120	Preparatory English

SEMESTER 2 19 WEEKS

AD100	Field Practice
AD101	Human Growth and Behaviour I
AD102	Group Process I
PHYS104	Physiology and Pharmacology
AD107	Counselling Practice Laboratory
AD106	Theory, Methods and Practice of Counselling I
SOC109	Sociology
AD105	Basic Studies in Addiction
AD112	Field Work Seminar
MED102	First Aid
ELECT000	Elective

Choose 1 of the Following 2 Electives

ENG103	Language and Communications
ENG102	Preparatory English

OPTION 1

SEMESTER 3 15 WEEKS

Students who have completed ENG102 — Preparatory English in Year 1 will register in Option 1 in Year 2. Students who have completed ENG113 — Language and Communications in Year 1 will register in Option 2 in Year 2.

AD200	Field Practice
AD201	Human Growth and Behaviour II
AD202	Group Process II
AD206	Theory, Methods and Practice of Counselling II
AD208	Values, Ethics and Professionalism
AD209	Research and Independent Studies
AD211	Community Practice
AD212	Field Work Seminar
ENG113	Language and Comunications

OPTION 1

SEMESTER 4 19 WEEKS

AD200	Field Practice
AD201	Human Growth and Behaviour II
AD202	Group Process II
AD206	Theory, Methods and Practice of Counselling II
AD209	Research and Independent Studies
AD211	Community Practice
AD212	Field Work Seminar
SOC207	Sociology
ENG113	Language and Comunications

OPTION 2

SEMESTER 3 15 WEEKS

Students who have completed ENG102 — Preparatory English in Year 1 will register in Option 1 in Year 2. Students who have completed ENG113 — Language and Communications in Year 1 will register in Option 2 in Year 2.

AD200	Field Practice
AD201	Human Growth and Behaviour II
AD202	Group Process II
AD206	Theory, Methods and Practice of Counselling II
AD208	Values, Ethics and Professionalism
AD209	Research and Independent Studies
AD211	Community Practice
AD212	Field Work Seminar

OPTION 2

SEMESTER 4 19 WEEKS

AD200	Field Practice
AD201	Human Growth and Behaviour II
AD202	Group Process II
AD206	Theory, Methods and Practice of Counselling II
AD209	Research and Independent Studies
AD211	Community Practice
AD212	Field Work Seminar
SOC207	Sociology

Courses offered and curriculum order may be subject to change

Dental Assistant

GBC Code DE141

Casa Loma Campus

2 Semesters

Certification: Certificate

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English and Chemistry at or above the general level, and Biology at the advanced level or equivalent.
A minimum grade of 70 per cent is required in the Biology credit and 65 per cent in the Chemistry credit. Proof of typing at 30 words per minute must be provided.

Qualified applicants will attend a compulsory orientation session. Prerequisite marks will be used as guidelines in the selection of applicants

The eight month Dental Assisting program prepares the student for a career in dental assisting. Graduates are eligible for certification by the Ontario Dental Nurses and Assistants Association.

Career Prospects: The majority of graduates from the dental assisting program find employment in general or specialty dental practices. Dental assistants are also employed in the public health field and in chronic care institutions which offer dental services to their patients.

Job Description: The dental assistant gives chairside assistance to the operator and is qualified to take and process dental x-rays Other duties include management of the patient and business office records, sterilization procedures and preparation of a variety of dental materials. The assistant may also become involved in oral hygiene instruction.

SEMESTER 1 15 WEEKS

ANAT102	Oro-Facial Anatomy
DENT106	Dental Materials I
PCT101	Pre-Clinical Techniques
DENT109	Pre-Clinical Dental Radiography
DENT117	Dental Office Management
BIO102	Human Biology
BIO104	Microbiology
ENG141	Language and Communications I
PSY100	Social Psychology

SEMESTER 2 17 WEEKS

DENT107	Dental Materials II
PCT102	Clinical Techniques
DENT112	Clinical Dental Radiography
NUT101	Nutrition
DENT104	Preventive Dentistry
DENT117	Dental Office Management
BIO102	Human Biology
PHAR102	Pharmacology & Emergency Care
ENG202	Language and Communications II
PSY100	Social Psychology
Outside College Activity	
FLDP100	Field Practice

Courses offered and curriculum order may be subject to change

Dental Hygiene

GBC Code DE442

Casa Loma Campus

2 Semesters

Certification: Certificate

Prerequisites: Applicants must be certified or eligible for certification as a Dental Assistant in Ontario and present proof of a minimum of 8 consecutive months of employment as a Dental Assistant.

Qualified applicants will attend a compulsory orientation session and write a standard test on dental science knowledge. The test marks will be used as guidelines in the selection of applicants.

The nine month program prepares the student for a career as a Dental Hygienist. Graduates of the program must complete a provincial licencing examination conducted by the Royal College of Ontario before they are eligible to practice in Ontario.

Career Prospects: The majority of graduates from the Dental Hygiene Program find employment in general or specialty dental practices. A two week work expenence component during the second semester of the program also gives the student exposure to the job opportunities available in the public health field and in chronic care institutions, such as, hospitals and geriatric homes.

Job Description: The Dental Hygienist, under the general supervision of a dentist, generally provides preventive services to the patient. He/she scales and polishes teeth, polishes amalgam fillings takes x-rays, applies periodontal dressings, takes impressions for study models, places rubber dams, applies fissure sealants and anticariogenic agents, removes sutures, and places and removes orthodontic arch wires, bands and brackets. The hygienist may be involved in dietary counselling in relation to dental disease and dental health education

SEMESTER 1 15 WEEKS

HIST101	General Histology
NUT202	Nutrition
DENT204	Oral Pathology and Preventive Dentistry I
DENT217	Community Dentistry
PCT201	Pre-clinical Techniques
PERI100	Periodontics I
PAED100	Paedodontics
DENT118	Pathophysiology
ANAT204	Anatomy — Head and Neck
ENG141	Language and Communications I
PSY200	Social Psychology

SEMESTER 2 21 WEEKS

NUT203	Nutrition Counselling
HIST100	Dental Histology and Embryology
PERI101	Periodontics II
ORTH100	Orthodontics
PCT203	Clinical Techniques
DENT206	Dental Health Education
DENT207	Oral Pathology and Preventive Dentistry II
DENT209	Advanced Radiography
ANAT204	Anatomy — Head and Neck
ENG202	Language and Communications II
PSY200	Social Psychology
Outside College Activity	
FLDP200	Field Practice

Dental Hygiene (Expanded Duties)

GBC Code DE400

Casa Loma Campus

1 Semester

Certification: Certificate

Prerequisite: Ontario Licensure as a Dental Hygienist with a minimum of one year work experience.

Qualified applicants will have a manual dexterity test, a dental anatomy test, and may be interviewed

The four month Expanded Duty Dental Hygiene program prepares the graduate Dental Hygienist for the performance of restorative procedures.

Graduates of the program must complete a provincial licencing examination conducted by the Royal College of Dental Surgeons of Ontario before they are eligible to practice in Ontario.

Career Prospects: The majority of graduates integrate their newly acquired restorative skills and traditional preventive duties into a general private practice environment. A limited number of job opportunities may be available in public health or in chronic care institutions.

Job Description: The Expanded Duty Dental Hygienist, under the general supervision of a dentist, places and finishes amalgam, silicate, resin and temporary restorations and cements temporary crowns.

SEMESTER 1 16 WEEKS

DENT400	Science of Dental Materials
HIST400	Advanced Dental Histology and Embryology
PCT401	Pre-clinical Restorative Techniques
PCT402	Clinical Techniques

Courses offered and curriculum order may be subject to change

Denture Therapy

Casa Loma Campus

5 Semesters

Certifications: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English, Physics Chemistry and Biology at or above the general level, or equivalent

Mature applicants (less than grade 12) are tested in English and Basic Sciences.

Qualified applicants are given a manual dexterity test.

Students are trained in the technical and clinical areas required to fabricate and insert dentures. Other subjects studied include areas of biological sciences and social services

Career Prospects: Denture Therapists may choose to practice in a team with other Dental Health Workers or establish a private practice.

Job Description: The Denture Therapist may work under supervision in the construction of complete or partial dentures and relining or repairing dentures. In private practice the Therapist is restricted to the making of complete upper or lower dentures and may reline or repair complete dentures only.

SEMESTER 1 15 WEEKS

DENT111	Dental Materials
DTC100	Denture Therapy — Pre-Clinical
ANAT103	Dental Anatomy
BIO102	Human Biology
ENG141	Language and Communications I
BIO104	Microbiology
HR100	Human Relations

SEMESTER 2 19 WEEKS

DENT111	Dental Materials
DTC100	Denture Therapy — Pre-Clinical
ANAT103	Dental Anatomy
PHAR102	Pharmacology and Emergency Care
ENG192	Language and Communications II
BIO102	Human Biology
HR100	Human Relations

SEMESTER 3 15 WEEKS

DENT116	Oral Medicine and Assessment
DTC200	Denture Therapy — Clinical
DTC201	Denture Therapy — Laboratory
PROS204	Prosthodontics
HIST100	Dental Histology and Embryology
ANAT204	Anatomy — Head and Neck
HR200	Human Relations
SBM100	Small Business Management

SEMESTER 4 19 WEEKS

HIST100	Dental Histology and Embryology
PATH100	Oral Pathology
DTC200	Denture Therapy — Clinical
ENG200	Language and Communications
ANAT204	Anatomy — Head and Neck
SBM100	Small Business Management

SEMESTER 5 20 WEEKS

DENT316	Community Dentistry
DTC300	Denture Therapy — Clinical
NUT300	Nutrition and Diet
TECH300	Technical Essay
PSY300	Psychology
ELS300	Language and Communications
Ouside College Activity	
DTC300	Denture Therapy — Clinical

Dental Technology

GBC Code DE102

Casa Loma Campus

GBC Code DE102

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English, Chemistry, Physics and Biology at or above the general level, or equivalent

Mature applicants (less than grade 12) are tested in English and the basic Sciences

Qualified applicants are given a manual dexterity test

The Dental Technologist makes a major contribution to the practice of Dentistry This dental worker fabricates all the various appliances used by the Dentist in the treatment of patients.

The program at George Brown is the only one of its kind in this province The teaching program is highly project oriented and there is a low student/instructor ratio which allows for much individual instruction throughout the program

Job Description: Employed by a dental laboratory or Dentist the Dental Technician fabricates from a Dentist's prescripton, orthodontic appliances, full dentures, partial dentures, crowns and bridges. The technician may also produce specialty items such as surgical splints and sports mouth guards.

SEMESTER 1 15 WEEKS

ANAT103	Dental Anatomy
LAB100	Dental Laboratory and Lecture
DENT110	Dental Materials
CHEM107	Chemistry and Science of Dental Material
BIO107	Biology
ENG141	Language and Communications I
HR100	Human Relations

SEMESTER 2 19 WEEKS

ANAT103	Dental Anatomy
LAB100	Dental Laboratory and Lecture
PHY107	Biophysics
BIO107	Biology
ENG192	Language and Communications II
HR100	Human Relations

SEMESTER 3 15 WEEKS

DENT201	Occlusion
LAB200	Dental Laboratory and Lecture
SBM100	Small Business Management
MET200	Metallurgy
HR200	Human Relations

SEMESTER 4 19 WEEKS

DENT201	Occlusion
LAB200	Dental Laboratory and Lecture
SBM100	Small Business Management
MET200	Metallurgy
HR200	Human Relations

SEMESTER 5 15 WEEKS

LAB300	Dental Laboratory and Lecture
PSY300	Psychology
ELS300	Language and Communications

SEMESTER 6 19 WEEKS

LAB300	Dental Laboratory and Lecture
PSY300	Psychology
ELS300	Language and Communications

Courses offered and curriculum order may be subject to change

Orthotic/Prosthetic Technician

GBC Code DE110

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English, Physics and Biology at or above the general level, or equivalent Qualified applicants will be given a manual dexterity test

For people who are craft oriented but not interested in the clinical aspect of Orthotics-Prosthetics, there is a two year Orthotic/ Prosthetic Technician Program In this program the student learns under the direction of the Orthotist/Prosthetist how to make Orthoses and Prostheses which are fitted to help rehabilitate disabled patients It is a field in which new materials, techniques and controls are creating an increasing demand for technically competent people. Excellent employment opportunities are available in Hospitals, Rehabilitation Centres and Private facilities

Successful graduates will be eligible for registration by the Canadian Association of Prosthetists and Orthotists

Job Description: *Orthotic Technician* — The Orthotic Technician makes Orthoses from drawings, measurements and plaster casts using a variety of materials, such as metals, plastics, leathers and fabrics.

Prosthetic Technician — The Prosthetic Technician makes Prostheses from drawings, measurements and plaster casts using a variety of materials, such as metals, plastics and leathers

SEMESTER 1 15 WEEKS

PROS101	Materials and Laboratory Techniques
ANAT104	Gross Anatomy
ENDR114	Drawing and Sketching (Basic)
MECH104	Mechanics
WELD147	Welding Techniques
MATH104	Mathematics
ENG141	Language and Communications I
HR100	Human Relations

SEMESTER 2 19 WEEKS

PROS101	Materials and Laboratory Techniques
ANAT104	Gross Anatomy
MACH100	Basic Machine Shop Fundamentals
MET101	Introductory Metallurgy
MECH104	Mechanics
MATH104	Mathematics
ENG192	Language and Communications II
HR100	Human Relations

SEMESTER 3 15 WEEKS

PROS201	Materials and Lab Techniques
ELTC130	Electronics
MECH114	Mechanics of Materials
PL225	Applied Plastics
HR200	Human Relations
ENG205	Language and Communications

SEMESTER 4 19 WEEKS

PROS201	Materials and Lab Techniques
ELTC130	Electronics
MECH114	Mechanics of Materials
PL225	Applied Plastics
HR200	Human Relations
ENG205	Language and Communications
Outside College Activity	
PROS203	Field Training

Clinical Methods in Orthotics/Prosthetics

GBC Code DE112

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English, Chemistry, Physics, and Biology at or above the general level, or equivalent In addition, applicants must present proof of completion of post-secondary studies in a related field, e.g. Orthotic/Prosthetic Technician, Kinesiology Qualified applicants will be interviewed

The two-year Clinical Prosthetist Orthotist Program is coordinated between George Brown College and West Park Hospital, with associate clinics at Chedoke McMaster Hospital and the Ontario Crippled Children's Centre Students will be thoroughly trained in the clinical management of the Orthotic-Prosthetic patient Knowledge of sound prescription criteria and fabrication techniques equips the student to accurately assess, fabricate and fit a full range of orthotic and prosthetic devices.

Students obtain clinical experience under the direction of orthopaedic surgeons and certified prosthetists/orthotists. Laboratory experience is gained at the College.

This program will appeal to students, especially those who have a background in health sciences, who are interested in working with people and helping patients in their attempts to overcome disabilities Employment is available in hospitals, rehabilitation centres and private facilities throughout Canada

Successful graduates will be eligible for certification by the Canadian Board for Certification of Prosthetists and Orthotists

SEMESTER 1 15 WEEKS

CT100	Clinical Techniques
LAB101	Laboratory Procedures
ANAT107	Gross Anatomy
PHYS100	Physiology
BIO103	Microbiology
SOC110	Sociology of Patient Relations
ENDR115	Drawing, Sketching and Design (Basic)
ENG215	Language and Communications

SEMESTER 2 19 WEEKS

CT100	Techniques
LAB101	Laboratory Procedures
ANA107	Gross Anatomy
PHYS100	Physiology
SOC110	Sociology of Patient Relations
ENG215	Language and Communications

SEMESTER 3 15 WEEKS

CT200	Clinical Techniques
LAB201	Laboratory Procedures
KINE200	Kinesiology and Biomechanics
BIO203	Bioelectronics
PATH204	Pathophysiology

SEMESTER 4 19 WEEKS

CT200	Clinical Techniques
PROJ202	Research Project
LAB201	Laboratory Procedures
PATH204	Pathophysiology
BIO203	Bioelectronics
SBL200	Small Business Management and Law

Courses offered and curriculum order may be subject to change

Diploma Nursing

GBC Code NU102

St. James Campus

5 Tri-mesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English and Mathematics, one of Chemistry and Physics at or above the general level and Biology at the advanced level. A minimum grade of 70% is required in the Biology credit and 65% in Chemistry or Physics.

Prerequisite marks will be used in the selection of applicants.

It extends over two years plus one semester and consists of 40 weeks of classes and clinical experience in Year 1 and 40 weeks in Year 2 followed by 16 weeks pre-graduate experience in hospitals. The curriculum combines both nursing and general education courses In the second year there is one elective — students may choose one of several sociology courses.

The George Brown College Diploma Nurse Program has two intakes per year. Classes commence in January and September.

SEMESTER 1 16 WEEKS

NURS101	Nursing Level I
NURS102	Nursing I (Lab-Theory)
PATH101	Pathophysiology & Therapeutic Interventions A
COMM105	Communications
PSY111	Introductory Psychology
BIO101	Biological Sciences "A"

SEMESTER 2 16 WEEKS

NURS103	Nursing Level II
NURS104	Nursing Level II (Lab-Theory)
PATH101	Pathophysiology & Therapeutic Interventions A
BIO101	Biological Sciences "A"
HUMN101	Humanities "A"

SEMESTER 3 16 WEEKS

NURS105	Nursing Level III
NURS106	Nursing Level III (Lab-Theory)
PATH101	Pathophysiology & Therapeutic Interventions A
HUMN101	Humanities "A"
SOC101	Sociology
PSY112	Developmental Psychology

SEMESTER 4 32 WEEKS

In Semester Four, a student will take fourteen courses in total: three Pathology, one Biology, one Humanities, one Sociology and eight Nursing Courses before proceeding to Semester Five.

ROTATION 1 (Medical-Surgical)

NURS203	Medical — Surgical Nursing of Adults
NURS204	Medical — Surgical Nursing Adults (Lab-Theory)
PATH201	Pathophysiology & Therapeutic Interventions "B"
ELECT000	Elective

ROTATION 2 (Paediatrics)

NURS205	Medical — Surgical Nursing Children (Lab-Theory)
NURS206	Medical — Surgical Nursing Children (Lab-Theory)
PATH202	Pathophysiology & Therapeutic Interventions "C"
ELECT000	Elective

ROTATION 3 (Maternal-Newborn)

NURS201	Maternity and Newborn Nursing
NURS202	Maternity and Newborn Nursing (Lab-Theory)
BIO201	Biological Sciences "B"
HUMN201	Humanities "B"

ROTATION 4 (Psychiatry)

NURS207	Psychiatric Nursing
NURS208	Psychiatric Nursing (Lab-Theory)
PATH205	Psychopathology & Therapeutic Interventions
HUMN201	Humanities "B"

Choose 1 of the following 3 Electives

SOC201	Interpersonal Relations
SOC202	Living with Dying
SOC204	Sociology of Women

SEMESTER 5 16 WEEKS

NURS209	Nursing Level V
NURS201	Nursing Level V (Lab-Theory)

Courses offered and curriculum order may be subject to change.

RN — Critical Care Nursing

GBC Code NU400

Nightingale Campus

1 Semester

Certification: Certificate

Prerequisites: 1. Current Certificate of Competence, College of Nurses of Ontario or if from out-of-province, eligibility for registration in Ontario. 2. Current nursing experience in an active treatment centre. 3. Basic Rescuer Certificate from the Canadian Heart Foundation. Qualified applicants will attend an information/selection session.

By utilizing a holistic approach, this program prepares the Registered Nurse to care for the critically-ill patient with additional competence.

The program is organized in two phases:

- Phase I focuses upon learning core concepts of nursing critically-ill patients whose vital signs have stabilized
- Phase II focuses upon continuing to apply core concepts while nursing patients whose condition is unstable due to complex multisystem problems.

Theory includes:

- current concepts of critical care nursing based on a sound knowledge of the vital systems (i.e.) respiratory, cardiovascular, nervous, renal and endocrine systems
- relevant medico-moral issues.
- legal aspects of caring for critically ill patients
- principles of organization and management of a Critical Care Unit.

Supervised clinical practice is selectively correlated with in-depth theory. Classes are accepted twice annually, in February and in September. Theory portions are now offered on a part-time basis.

SEMESTER 1 19 WEEKS

CCN400	Critical Care Nursing — Theory and Lab-General
CCN401	Critical Care — Pathotherapeutics
CCN402	Critical Care Nursing — Practicum-General
CCN403	Critical Care Nursing — Theory-Advanced
CCN404	Critical Care Nursing — Practicum-Advanced
HUMN402	Communication — Group Process and Value Systems

Refresher for the RN/ Upgrading for Graduate Nurses

GBC Code NU402

Nightingale Campus

5 Semesters

Certification: Certificate

Prerequisites: Will vary on the applicant's reason for entering the program. Registered nurses needing refreshment need a current Certificate of Completeness from the College of Nurses of Ontario.

Out-of-province or out-of-country graduates need a Letter of Ruling from the College of Nurses of Ontario

Ontario Graduates who are Non-Registered must be recommended by her/his school to write the Ontario Registered Nurse Examination, or must have failed the Ontario Registered Nurse Examinations once or twice.

Qualified applicants will attend an information/selection session.

This program is designed to assist:

(a) Graduate nurses registered in Ontario who have not practised for significant periods of time;

(b) Graduates from outside Ontario who require additional courses to meet Ontario registration requirements;

(c) Graduate nurses who require review before writing the College of Nurses of Ontario examinations;

(d) Graduates who have failed the nurse registration examinations for Ontario and wish additional preparation before rewriting.

All students complete a six week core course reviewing the basics of nursing theory. Subsequently individual needs determine the selection of one or more 7 week modules that combine theory and practice. These modules are: Medical/Surgical, Pediatric, Psychiatric, Maternity Nursing.

OPTIONS
- Review of Basic Nursing
- Medical/Surgical Nursing
- Pediatric Nursing
- Maternity Nursing
- Psychiatric Nursing

OPTION 1 REVIEW OF BASICS TO NURSING

SEMESTER 1 6 WEEKS

RBN400	Review of Basics to Nursing

OPTION 2 MEDICAL/SURGICAL NURSING

SEMESTER 1 7 WEEKS

MSN401	Medical Surgical Nursing — Practical
MSN402	Medical Surgical Nursing — Theory

OPTION 3 PEDIATRIC NURSING

SEMESTER 1 7 WEEKS

PED401	Pediatric Nursing — Practical
PED402	Pediatric Nursing — Theory

OPTION 4 MATERNITY NURSING

SEMESTER 1 7 WEEKS

MATN401	Maternity Nursing — Practical
MATN402	Maternity Nursing — Theory

OPTION 5 PSYCHIATRIC NURSING

PSYN401	Psychiatric Nursing — Practical
PSYN402	Psychiatric Nursing — Theory

Courses offered and curriculum order may be subject to change

RN — Operating Room Nursing

GBC Code NU401

Nightingale Campus

1 Semester

Certification: Certificate

Prerequisites: 1. Current certificate of Competence, College of Nurses of Ontario, or if from out-of-province, elegibility for registration in Ontario. 2. Current nursing experience in an active treatment centre. 3. Basic Rescuer Certificate from the Canadian Heart Foundation. Qualified applicants will attend an information/ selection session.

This program prepares registered nurses to function as members of the surgical team in operating room theatres and to function as a team leader, or charge nurse, upon completion of this program. the nurse can also give and supervise care in a recovery room where patients require close monitoring of their vital processes immediately following surgery. Classes are accepted twice annually, in February and in August. The theory portions of this program are now offered on a part-time basis.

SEMESTER 1 — 19 WEEKS

ORN400	Operating Room Nursing — Theory and Laws
ORN401	Operating Room Nursing — Practicum
ORN402	O.R.N. — Organization and Management
HUMN402	Communication — Group Process & Value Systems

Courses offered and curriculum order may be subject to change.

RN — Neonatal Intensive Care

GBC Code NU405

Nightingale Campus

1 Semester

Certification: Certificate

Prerequisites: 1. Current Certificate of Competence, College of Nurses of Ontario, or if from out-of-province, eligibility for registration in Ontario. 2. Current nursing experience in an the field of Perinatalogy e.g. Obstetrics, Nursery or Neonatal Intensive Care. 3. Basic Rescuer Certificate from the Canadian Heart Foundation.

On completion of this program, the nurse is able to provide comprehensive care to the critically ill newborn infant in an intensive care setting, provide emotional support and teaching for the family of the high risk infant, teach and direct other registered nurses in the nursing care of the newborn infant, provide optimum care for the sick infant prior to and during transport, understand the complex inter-relationships of maternal fetal factors which may affect the outcome of the childbearing cycle.

This program may be taken on a part-time basis.

SEMESTER 1 — 15 WEEKS

NEO402	High Risk Pregnancy — Theory
NEO403	High Risk Pregnancy — Practice
NEO404	Neonatal Physiology — Theory
NEO405	Neonatal Physiology — Practice
NEO406	Low Birth Weight Infant — Theory
NEO407	Low Birth Weight Infant
NEO408	Neonatal Problems — Theory
NEO409	Neonatal Problems — Practice
NEO410	Neonatal Respiratory Conditions — Theory
NEO411	Neonatal Repiratory Conditions — Practice

Chiropody

GBC Code DE113

Nightingale Campus

6 Tri-mesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English, Mathematics, Physics, and Biology at or above the general level, or equivalent.

Qualified applicants will be given a manual dexterity test.

The program will prepare students to practice as Chiropodists in the Province of Ontario. Graduates will be capable of providing care for specific disorders of the feet.

SEMESTER 1 — 15 WEEKS

CHIR100	Introduction to Chiropody
BIO105	Biological Science
HIST103	Histology
BIO109	Anatomy and Physiology of the Lower Extremities
PSY170	Introductory Psychology
ENG141	Language and Communications I
POD104	Podology I
ORTH102	Orthotics I
CHIR101	Fundamental Principles (To Clinical Skills)
CLIN100	Pre-Clinical Skills

SEMESTER 2 — 19 WEEKS

BIO105	Biological Science
BIO109	Anatomy and Physiology of the Lower Extremities
ENG192	Language and Communications II
HUMN103	Ethics for the Health Sciences
POD141	Podology II
ORTH122	Orthotics II
CLIN101	Clinical Skills (Fundamental Principles)

SEMESTER 3 — 8 WEEKS

PATH106	Pathology I
PHAR103	Pharmacology
BIO113	Biomechanics I
POD124	Podology III
CLIN102	Clinical Skills

SEMESTER 4 — 15 WEEKS

PATH206	Pathology II
ELS202	Society and Health Care
COMM201	Communications and Health Care
BIO213	Biomechanics II
POD204	Podology IV
CLIN200	Clinical Skills

SEMESTER 5 — 19 WEEKS

ORTH200	Applied Orthopaedics and Vascular Surgery
DERM200	Dermatology
PED200	Pediatric Podology
GER200	Gerontology
LAW212	Public Health and Jurisprudence
BIO223	Biomechanics III
CLIN201	Clinical Skills

Courses offered and curriculum order may be subject to change.

ARCHITECTURAL TECHNOLOGY

Civil Engineering Technician

GBC Code AR110

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English and Mathematics in Grades 11 and 12 at or above the general level, or equivalent

Background: Credits in Physics, Drafting & Surveying are desirable

The two-year Civil Engineering Program prepares the student for a career in the design, planning or construction of civil engineering projects

During the instruction periods, particularly in the technical subjects, the instructors use the project approach to reinforce the theoretical and practical aspects of engineering. This method helps to familiarize the student with industry's approach to the subject, and control of the major construction materials.

SEMESTER 1 15 WEEKS

SURV104	Plane Surveying
CIV101	Engineering Drawing and Design
CIV103	Construction Materials
CIV104	Specification and Estimating
MATH100	Mathematics
ENG141	Language and Communications I
MECH100	Mechanics

SEMESTER 2 19 WEEKS

SURV104	Plane Surveying
CIV101	Engineering Drawing and Design
CIV103	Construction Materials
CIV104	Specification and Estimating
MATH100	Mathematics
ENG182	Language and Communications II
MECH110	Mechanics and Materials

SEMESTER 3 14 WEEKS

CIV200	Structural Drawing and Design
CIV202	Municipal Services
CIV203	Highway Technology
CIV204	Specifications and Estimating
SURV201	Advanced Plane Surveying
MATH120	Applied Computer Programming
MATH200	Mathematics
ENG263	Language and Communications
PHY100	Applied Physics

SEMESTER 4 19 WEEKS

CIV200	Structural Drawing and Design
CIV202	Municipal Services
CIV203	Highway Technology
CIV204	Specifications and Estimating
SURV201	Advanced Plane Surveying
MATH120	Applied Computer Programming
MATH200	Mathematics
ENG264	Language and Communications
PHY100	Applied Physics

Construction Engineering Technician — Management

GBC Code AR103

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics in Grades 11 and 12 at or above the general level, or equivalent.

Background: Credits in Physics, Drafting and Bookkeeping would be useful as background

The two-year Construction Technician Program prepares the student to enter the construction industry in various capacities, leading to positions such as Estimators, Expeditors, Field Engineers and Superintendents, Building Inspectors, Building Product Sales and others.

Instructors use the project approach to learning to reinforce the theoretical and practical parts of the program. In this way, the student is introduced to industrial methods. Well equipped laboratories are available for the testing and quality control of various construction materials and components.

SEMESTER 1 15 WEEKS

CO100	Construction Methods and Drafting
CO101	Quantity Surveying
CO102	Mechanical Installations
CO103	Construction Materials
CO104	Site Engineering
MATH100	Mathematics
ENG141	Language and Communications I
MECH100	Mechanics

SEMESTER 2 19 WEEKS

CO100	Contruction Methods and Drafting
CO101	Quantity Surveying
CO102	Mechanical Installations
CO103	Construction Materials
MATH100	Mathematics
ENG182	Language and Communications II
MECH110	Mechanics of Materials

SEMESTER 3 15 WEEKS

CO216	Site Engineering
CO200	Building Construction
CO201	Quantity Surveying
CO202	Mechanical Installations
CO210	Contracts and Specifications
MATH200	Mathematics
ENG263	Language and Communications
EC100	Economics
PHY100	Applied Physics

SEMESTER 4 19 WEEKS

CO200	Building Construction
CO201	Quantity Surveying
CO202	Mechanical Installations
CO210	Contracts and Specifications
MATH200	Mathematics
ENG264	Language and Communications
PHY100	Applied Physics

Courses offered and curriculum order may be subject to change

Mechanical Engineering Technician — Machine Design

GBC Code AR112

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics in Grades 11 and 12 at or above the general level, or equivalent.

Background: Credits in Drafting and Physics are desirable

This program has been developed to prepare the student for a career in a wide range of drafting and design areas.

The theoretical and practical aspects of the subject matter are applied to the drawing and design of projects in a modern drafting room, using up-to-date equipment which simulates an actual industrial engineering office

SEMESTER 1 15 WEEKS

ENDR118	Descriptive Geometry
ENDR158	Technical Drawing
MATH100	Mathematics
ENG141	Language and Communications I
MECH100	Mechanics
MET100	Metallurgy
MACH110	Manufacturing Technology

SEMESTER 2 19 WEEKS

ENDR102	Machine Drawing and Design
ENDR118	Descriptive Geometry
MATH100	Mathematics
ENG182	Language and Communications II
MECH100	Mechanics
MET100	Metallurgy
MACH110	Manufacturing Technology

SEMESTER 3 15 WEEKS

ENDR201	Product Design
ENDR107	Kinematics
ENDR222	Descriptive Geometry
MATH200	Mathematics
MECH110	Mechanics of Materials
TD100	Metrology
ENG263	Language and Communications
ENDR202	Manufacturing Processes

SEMESTER 4 19 WEEKS

ENDR201	Product Design
ENDR107	Kinematics
ENDR222	Descriptive Geometry
MATH200	Mathematics
MECH110	Mechanics of Materials
ENG264	Language and Communications
MATH210	Applied Computer Programming I
EL305	Electrical Fundamentals and Drawing

Courses offered and curriculum order may be subject to change

Mechanical Engineering Technician — Tool Design

GBC Code AR111

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics in Grades 11 and 12 at or above the general level, or equivalent.

Background: Credits in drafting and machine shop practice would be advantageous

The Tool and Die Design Technician works in the drawing and design offices of manufacturing companies. The tool designer helps decide the various ways products are to be manufactured, develops the manufacturing sequence, decides what tooling is needed to make each part, and creates the designs for special tools such as jigs, fixtures and dies which play a vital role in modern manufacturing practice.

This two year program is divided into four semesters which cover the theoretical and practical aspects of tool design. The student will be stationed at one of the design tables in our design office. This practical approach is the same as would be encountered in industry. The well equipped design office and library give the student a realistic environment in which to develop skills. An up-to-date machine shop is available to test the practicality of designs developed in the design office.

SEMESTER 1 15 WEEKS

ENDR118	Descriptive Geometry
ENDR158	Technical Drawing
MATH100	Mathematics
ENG141	Language and Communications I
MECH100	Mechanics
MET100	Metallurgy
MACH110	Manufacturing Technology

SEMESTER 2 19 WEEKS

ENDR118	Descriptive Geometry
ENDR130	Jig and Fixture Design
MATH100	Mathematics
MECH100	Mechanics
ENG182	Language and Communications II
MET100	Metallurgy
MACH110	Manufacturing Technology

SEMESTER 3 15 WEEKS

ENDR140	Die Design
ENDR107	Kinematics
TD100	Metrology
MATH200	Mathematics
MECH110	Mechanics of Materials
ENG263	Language and Communications
ENDR222	Descriptive Geometry
ENDR202	Manufacturing Processes

SEMESTER 4 19 WEEKS

ENDR340	Die Design
ENDR107	Kinematics
EL305	Electrical Fundamentals and Drawing
MATH200	Mathematics
MECH110	Mechanics of Materials
ENG264	Language and Communications
ENDR222	Descriptive Geometry
MATH210	Applied Computer Programming I

Stationary Power Plant Engineering

GBC Code AR118

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grade 12 Mathematics and English at or above the general level, or equivalent.

A two-year program designed to prepare the student for a career in the operation and management of the power equipment which serves industry. The occupation is graduated into four levels, 4th class being the lowest.

Provincial legislation governs standards and certification and these are incorporated into the program. Over the two years, the student will be trained in a well equipped power plant used exclusively for the program and will also spend considerable time in industry in order to get further exposure to the equipment in functioning plants and to gain qualifying time toward certification.

Although the primary objective is to prepare graduates for duties at the 3rd class level, some time will have been devoted to subjects at the 2nd class level, to enhance the graduate's prospects for achieving this level as quickly as he/she may desire. Opportunity exists within the industry at the higher levels and graduates will be in an advantageous position to continue with their studies upon completion of the college program.

Examinations will be written at periodic intervals during the semesters and, subject to the accumulation of sufficient qualifying time and the achievement of acceptable standards in all courses in the program, the student will graduate with a 3rd class certificate.

SEMESTER 1 15 WEEKS

STAT100	Power Plant Operation
STAT101	Power Plant Maintenance
STAT105	Power Plant Instrumentation and Control I
STAT103	Power Plant Water Treatment and Combustion I
STAT106	Power Plant Boilers and Auxiliaries
EL100	Power Plant Electricity

SEMESTER 2 19 WEEKS

STAT100	Power Plant Operation
STAT101	Power Plant Maintenance
ARDR105	Power Plant Mechanical Blue Print Reading
EL117	Power Plant Electrical Blue Print Reading
STAT107	Power Plant Lub. and Internal Combustion Eng
EL100	Power Plant Electricity
STAT102	Power Plant Heat Engines I
STAT104	Power Plant Heating Refrigeration and Air Conditioning

SEMESTER 3 15 WEEKS

STAT200	Power Plant Design and Operation
STAT201	Power Plant Supervision and Management
STAT202	Power Plant Heat Engines II
STAT203	Power Plant Waste Treatment and Combustion II
STAT204	Power Plant Heating, Refrigeration and Air Conditioning
EL201	Power Plant Electricity
STAT207	Power Plant Instrumentation and Control II

SEMESTER 4 19 WEEKS

STAT200	Power Plant Design and Operation
STAT209	Power Plant Maintenance
STAT205	Power Plant Boilers and Auxiliaries
STAT206	Power Plant Prime Movers
EL201	Power Plant Electricity
ENG210	Power Plant Communications
STAT208	Power Plant In-Plant Training

Air Conditioning Refrigeration Engineering Technician

GBC Code AR101

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English, Mathematics and Physics at or above the general level, or equivalent.

During the last decade air conditioning has developed into one of Canada's fastest growing industries. By pioneering specialized systems that heat, cool, humidify, circulate, filter and purify, it has contributed to achievements ranging from space travel to solar heating.

The student will gain a very broad and intensive knowledge of the design, installation and operation of air conditioning systems in residential, commercial and industrial buildings. Well equipped laboratories are provided to reinforce the practical aspects of the subject matter.

The graduate air-conditioning, refrigeration engineering technician will find employment in engineering offices, equipment supply and sales, municipal and government offices, contracting, manufacturing and controls companies.

SEMESTER 1 15 WEEKS

AIR100	Refrigeration
AIR105	Air Conditioning
AIR109	Electrical Fundamentals
ARDR124	Drafting
MATH106	Mathematics
PHY106	Applied Physics

SEMESTER 2 19 WEEKS

AIR105	Air Conditioning
AIR109	Electrical Fundamentals
ARDR124	Drafting
MATH106	Mathematics
PHY106	Applied Physics
HT104	Heating
AIR108	Instrumentation
ENG100	Language and Communications

SEMESTER 3 15 WEEKS

HT114	Heating
AIR203	Air Conditioning Systems
AIR201	Automatic Controls
PHY202	Physics (Thermodynamics)
ENG263	Language and Communications
MATH206	Mathematics
MATH122	Applied Computer Programming

SEMESTER 4 19 WEEKS

AIR203	Air Conditioning Systems
AIR201	Automatic Controls
MATH206	Mathematics
ENG264	Language and Communications
AIR200	Refrigeration
AIR106	Estimating for Air Conditioning

Courses offered and curriculum order may be subject to change

Mechanical Engineering Technology —Tool and Machine Design

GBC Code AR119

Casa Loma Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics in Grades 11 and 12 at, or above, the general level, or equivalent.

The tool and design technologist works in the design offices of manufacturing companies and consulting engineers. The tool designer helps decide on manufacturing methods, develops the manufacturing sequence and decides what tooling is needed to make each part. He or she creates the designs for special tools such as jigs, fixtures, dies and moulds which play a vital role in modern manufacturing practice. The design of transfer systems with their associated controls is another design area for the technologist.

This three year program is divided into six semesters which cover the theoretical and practical aspects of tool design. The student will be stationed at one of the drafting tables in our design office. This practical approach is the same as would be encountered in industry. The well equipped design office, library, workshops and laboratories give the student a realistic environment in which to develop. The student will gain experience in the use of CAD (Computer Aided Design) and CAM (Computer Aid Manufacturing) systems.

Options Tool Design
Machine Design

SEMESTER 1 15 WEEKS

ENDR118	Descriptive Geometry
ENDR158	Technical Drawing
MATH100	Mathematics
ENG141	Language and Communications I
MECH100	Mechanics
MET100	Metallurgy
MACH110	Manufacturing Technology

Option 1 Tool Design

SEMESTER 2 19 WEEKS

ENDR118	Descriptive Geometry
ENDR130	Jig and Fixture Design
ENG182	Language and Communications II
MACH110	Manufacturing Technology
MATH100	Mathematics
MECH100	Mechanics
MET100	Metallurgy

Option 1 Tool Design

SEMESTER 3 15 WEEKS

ENDR107	Kinematics
ENDR140	Die Design
ENDR202	Manufacturing Processes
ENDR222	Descriptive Geometry
ENG263	Language and Communications
MATH200	Mathematics
MECH110	Mechanics of Materials
TD100	Metrology

Option 1 Tool Design

SEMESTER 4 19 WEEKS

EL305	Electrical Fundamentals and Drawing
ENDR107	Kinematics
ENDR222	Descriptive Geometry
ENDR340	Die Design
ENG264	Language and Communications
MATH200	Mathematics
MATH210	Applied Computer Programming I
MECH110	Mechanics of Materials

Option 1 Tool Design

SEMESTER 5 15 WEEKS

ENDR342	Tool Design I
ENDR343	Theory of Machines
ENDR344	Computer Aided Design
MACH345	Computer Aided Manufacture
MATH310	Mathematics III
PHY301	Thermodynamics
SC300	Engineering Science III

Option 1 Tool Design

SEMESTER 6 19 WEEKS

ENDR343	Theory of Machines
ENDR344	Computer Aided Design
ENDR352	Tool Design II
MACH345	Computer Aided Manufacture
MATH310	Mathematics III
MECH111	Mechanics of Fluid
SC300	Engineering Science III

Option 2 Machine Design

SEMESTER 2 19 WEEKS

ENDR102	Machine Drawing and Design
ENDR118	Descriptive Geometry
ENG182	Language and Communications II
MECH110	Manufacturing Technology
MATH100	Mathematics
MECH100	Mechanics
MET100	Metallurgy

Option 2 Machine Design

SEMESTER 3 15 WEEKS

ENDR107	Kinematics
ENDR201	Product Design
ENDR202	Manufacturing Processes
ENDR222	Descriptive Geometry
ENG263	Language and Communications
MATH200	Mathematics
MECH110	Mechanics of Materials
TD100	Metrology

Option 2 Machine Design

SEMESTER 4 19 WEEKS

EL305	Electrical Fundamentals and Drawing
ENDR107	Kinematics
ENDR201	Product Design
ENDR222	Descriptive Geometry
ENG264	Language and Communications
MATH200	Mathematics
MATH210	Applied Computer Programming I
MECH110	Mechanics of Materials

Option 2 Machine Design

SEMESTER 5 15 WEEKS

ENDR341	Machine Design I
ENDR343	Theory of Manchines
ENDR344	Computer Aided Design
MACH345	Computer Aided Manufacture
MATH310	Mathematics III
PHY301	Thermodynamics
SC300	Engineering Science III

Option 2 Machine Design

SEMESTER 6 19 WEEKS

ENDR343	Theory of Machines
ENDR344	Computer Aided Design
ENDR351	Machine Design II
MACH345	Computer Aided Manufacture
MATH310	Mathematics III
MECH111	Mechanics of Fluid
SC300	Engineering Science III

Courses offered and curriculum order may be subject to change

Civil Engineering Technology

GBC Code AR116

Casa Loma Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 English and Mathematics at or above the general level, or equivalent.

Background: Credits in Physics, Drafting and Surveying would be useful as background

The three-year Civil Engineering Technology Program prepares the student to seek a career in the design, planning and construction of civil engineering projects

The curriculum is based upon a core of Applied Science and Mathematics as well as Engineering applicable to Civil Technology

SEMESTER 1 15 WEEKS

SURV104	Plane Surveying
CIV101	Engineering Drawing and Design
CIV103	Construction Materials
CIV104	Specification and Estimating
MATH100	Mathematics
ENG141	Language and Communications I
MECH100	Mechanics

SEMESTER 2 19 WEEKS

SURV104	Plane Surveying
CIV101	Engineering Drawing and Design
CIV103	Construction Materials
CIV104	Specification and Estimating
MATH100	Mathematics
ENG182	Language and Communications II
MECH110	Mechanics of Materials

SEMESTER 3 15 WEEKS

CIV200	Structural Drawing and Design
CIV202	Municipal Services
CIV203	Highway Technology
CIV204	Specifications and Estimating
SURV201	Advanced Plane Surveying
MATH120	Applied Computer Programming
MATH200	Mathematics
ENG263	Language and Communicatons
PHY100	Applied Physics

SEMESTER 4 19 WEEKS

CIV200	Structural Drawing and Design
CIV202	Municipal Services
CIV203	Highway Technology
CIV204	Specifications and Estimating
SURV201	Advanced Plane Surveying
MATH120	Applied Computer Programming
MATH200	Mathematics
ENG264	Language and Communications
PHY100	Applied Physics

SEMESTER 5 15 WEEKS

CIV300	Reinforced Concrete Design
CIV301	Structural Steel Design
CIV302	Sanitary Technology
CIV303	Highway Technology
CIV304	Construction Management
CIV305	Soil Mechanics and Foundations
MECH310	Mechanics of Fluids
MATH320	Digital Computations
ENG310	Language and Communications

SEMESTER 6 19 WEEKS

CIV300	Reinforced Concrete Design
CIV301	Structural Steel Design
CIV302	Sanitary Technology
CIV304	Construction Management
CIV323	Transportation Planning
ENG320	Technical Report
MECH320	Theory of Structures
MATH420	Digital Computations
CIV305	Soil Mechanics and Foundations

Courses offered and curriculum order may be subject to change

Construction Engineering Technology

GBC Code AR117

Casa Loma Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics in Grades 11 and 12 at or above the general level, or equivalent

Background: Credits in Physics, Drafting and Bookkeeping would be useful as background.

The graduate construction engineering technologist will find employment in the various areas of the construction industry. The concentration of quality surveying courses plus the inclusion of technical and related courses will provide a base for successful advancement within a variety of positions

Instructors use the project approach to learning to reinforce the theoretical and practical parts of the program. The student is made familiar with industry's methods of working. Well equipped laboratories are available for the testing and quality control of various construction materials and components

SEMESTER 1 15 WEEKS

CO100	Construction Methods and Drafting
CO101	Quantity Surveying
CO102	Mechanical Installations
CO103	Construction Materials
CO104	Site Engineering
MATH100	Mathematics
MECH100	Mechanics
ENG141	Language and Communications I

SEMESTER 2 19 WEEKS

CO100	Construction Methods and Drafting
CO101	Quantity Surveying
CO102	Mechanical Installations
CO103	Construction Materials
MATH100	Mathematics
MECH110	Mechanics of Materials
ENG182	Language and Communications II

SEMESTER 3 15 WEEKS

CO200	Building Construction
CO201	Quantity Surveying
CO202	Mechanical Installations
CO210	Contracts and Specifications
CO216	Site Engineering
MATH200	Mathematics
EC100	Economics
ENG263	Language and Communications
PHY100	Applied Physics

SEMESTER 4 19 WEEKS

CO200	Building Construction
CO201	Quantity Surveying
CO202	Mechanical Installations
CO210	Contracts and Specifications
MATH200	Mathematics
ENG264	Language and Communications
PHY100	Applied Physics

SEMESTER 5 15 WEEKS

CO301	Construction Methods and Equipment
CO302	Quantity Surveying and Estimating
CO303	Electrical Installations
CO304	Construction Management
CO305	Building Services Estimating
CO203	Structural Design — Concrete
MATH303	Applied Statistics
ENG310	Language and Communications
LAW300	Construction Law

SEMESTER 6 19 Weeks

CO301	Construction Methods and Equipment
CO302	Quantity Surveying and Estimating
CO304	Construction Management
CO305	Building Services Estimating
CO306	Building Economics
CO204	Structural Design — Steel
MATH303	Applied Statistics
ENG320	Technical Report
LAW300	Construction Law

Courses offered and curriculum order may be subject to change

Drafting Technician

GBC Code AR105

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics in Grades 11 and 12 at or above the general level, or equivalent.

The objective of the program is to prepare the student for employment in one of a variety of drafting fields by teaching the related theory of construction, manufacturing and accepted practice as well as developing drafting skills. Architectural, mechanical services, survey and structural drafting are taught.

The drafting classes are conducted as a drawing office. The theory of the construction is introduced and studied in relation to its application in drawing. Projects are developed from simple basic forms by applying knowledge gained from lecture and demonstration. The student progresses to more complex working drawings, continued practice and additional knowledge.

SEMESTER 1 15 WEEKS

ARDR112	Drafting
ARCH100	Materials and Methods
MATH109	Mathematics
ENG141	Language and Communications I
MECH100	Mechanics
STR123	Structural Design I
SURV100	Survey Computation and Drafting I
ARDR116	Architectural Space Planning

SEMESTER 2 19 WEEKS

ARDR108	Structural Drafting I
ARDR154	Presentation Drawing
ARCH100	Materials and Methods
MATH109	Mathematics
ENG182	Language and Communications II
ARDR110	Architectural Drafting I
SURV100	Survey Computation and Drafting I
MATH122	Applied Computer Programming

SEMESTER 3 15 WEEKS

ARDR202	Architectural Drafting II
MATH209	Mathematics
ENG263	Language and Communications
ARCH200	Materials and Methods
STR223	Structural Design II
ARDR111	Mechanical Installations Drafting I
MECH110	Mechanics of Materials
ARDR154	Presentation Drawing

SEMESTER 4 19 WEEKS

ARDR202	Architectural Drafting II
MATH209	Mathematics
ENG264	Language and Communications
ARDR208	Structural Drafting II
ARDR111	Mechanical Installations Drafting I
ARCH200	Materials and Methods
PHY125	Applied Physics

Piano Technician

GBC Code AR114

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics, or equivalent, and passing of hearing and manual dexterity tests as set by the College.
Qualified applicants will have an audition and interview to determine manual dexterity, hearing and interest in the craft.

A Piano Technician is a person skilled in the repair, rebuilding and maintenance of pianos. Most often self-employed, working in or from a small workshop, he or she can renovate, rebuild, repair, voice and tune pianos of any make.

The program and practice is suitable for both men and women who typically start their private practice tuning pianos, advising clients on work required for the preservation and repair of their instruments, and who gradually build up a full practice.

Graduates can expect to provide service for performing musicians, private owners of instruments, and such institutions as school boards, universities, concert halls and schools of music.

SEMESTER 1 15 WEEKS

PIAN100	Tuning
PIAN101	Action Regulations
PIAN102	Stringed — Wrestplank — Soundboard — Bridges
ENG141	Language and Communications I
MATH118	Mathematics
PHY118	Applied Physics
WOOD100	Woodworking

SEMESTER 2 19 WEEKS

PIAN100	Tuning
PIAN101	Action Regulations
PIAN102	Stringed — Wrestplank — Soundboard — Bridges
ENG182	Language and Communications II
MATH118	Mathematics
PHY118	Applied Physics
WOOD100	Woodworking

SEMESTER 3 15 WEEKS

PIAN200	Tuning
PIAN201	Action Regulation-Repair
PIAN202	Stringed — Wrestplank — Soundboard — Bridges
PIAN205	Workshop Technology
ENG263	Language and Communications
SC108	Science of Sound
SBM100	Small Business Management

SEMESTER 4 19 WEEKS

PIAN200	Tuning
PIAN201	Action Regulation-Repair
PIAN202	Stringed — Wrestplank — Soundboard — Bridges
PIAN205	Workshop Technology
SBM100	Small Business Management
ENG264	Language and Communications

Courses offered and curriculum order may be subject to change.

Architectural Technician — Drafting

GBC Code AR104

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics in Grades 11 and 12 at or above the general level, or equivalent

The Architectural Drafting Technician is one of a team of technical personnel involved in the construction industry. Graduates of this two-year program play a significant role as detail draftspersons, field supervisors, sales consultants and expeditors in architectural, engineering and fabrication firms, government and municipal offices.

Office atmosphere is simulated by grouping students and using actual building projects from industry. Job site visits, guest speakers, specifications, mechanical and electrical information are arranged to give the student a complete understanding of an actual "living" project.

SEMESTER 1 15 WEEKS

ARCH100	Materials and Methods
ARDR102	Architectural Drafting I
ARDR120	Descriptive Geometry I
MATH109	Mathematics
ENG141	Language and Communications I
MECH100	Mechanics
EC100	Economics

SEMESTER 2 19 WEEKS

ARCH100	Materials and Methods
ARDR102	Architectural Drafting I
SURV110	Surveying
MATH109	Mathematics
ENG182	Language and Communications II
MECH110	Mechanics of Materials
ARDR103	Architectural Rendering and Presentation

SEMESTER 3 15 WEEKS

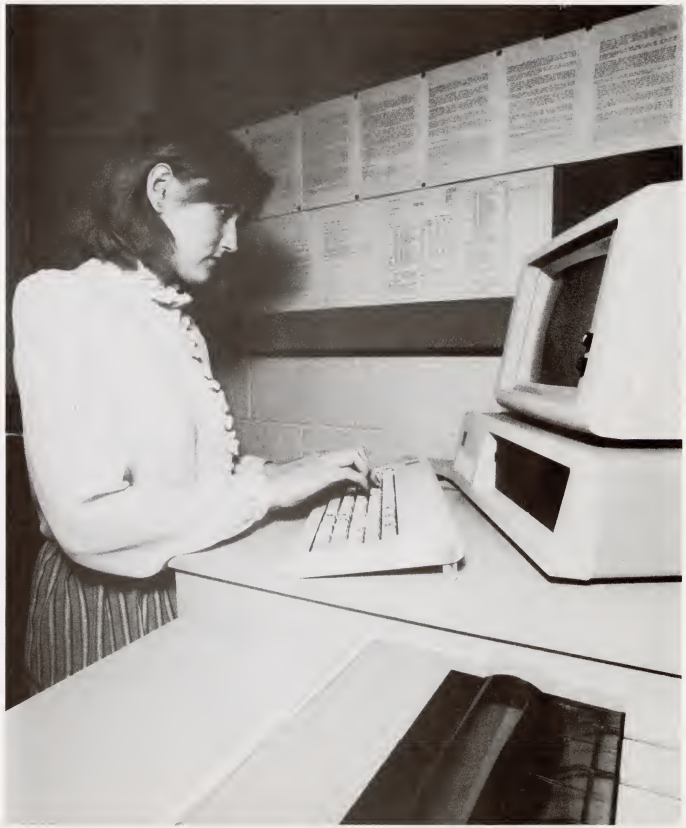
ARCH200	Materials and Methods
ARDR111	Mechanical Installations Drafting I
ARDR202	Architectural Drafting II
MATH209	Mathematics
ENG263	Language and Communications
PHY100	Applied Physics
ARDR103	Architectural Rendering and Presentation
SURV102	Quantity Surveying I

SEMESTER 4 19 WEEKS

ARCH200	Materials and Methods
ARDR111	Mechanical Installations Drafting I
ARDR202	Architectural Drafting II
MATH209	Mathematics
ENG264	Language and Communications
ARDR115	Structural Drafting
ARDR104	Architectural Design and Planning
MATH122	Applied Computer Programming

Courses offered and curriculum order may be subject to change.

BUSINESS



Business

St. James Campus

4 or 6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics and English in Grades 11 and 12 at or above the general level, or equivalent.

George Brown's Business and Commerce Division offers the highly concentrated training needed to enter the speciality area of the student's choice. In the first semester of the two-year business programs students attend introductory courses in Accounting, Data Processing, Marketing and Physical Distribution as well as Business English and Business Mathematics. After completing this short introductory semester students specialize in one of the programs listed below for the balance of the two-year program

Program A — Accounting
Program B — Data Processing
Program C — Marketing
Program D — General
Program E — Physical Distribution
Program F — Business Administration — Accounting
Program G — Business Administration — Data Processing
Program H — Business Administration — Marketing

Students will select elective courses in specific semesters as they progress through their program.
An elective course list appears below all major options

Graduates of the Accounting, Data Processing and Marketing two-year programs qualify for Business Administration Programs F, G or H. These programs are for students who desire more advanced study in Business Administration with concentration in one of three major options: accounting, data processing or marketing. It integrates the student's more advanced learning into a broader view of an organization as a whole. Advanced decision-making, planning and managerial skills are developed through the use of modern learning techniques.

Business General — Accounting

GBC Code B109A

St. James Campus

4 Semesters

The courses included in this program provide a valuable preparation for students interested in accounting careers in business, government and industry. Students who wish to obtain a professional accounting designation may be granted advanced standing in specified courses by the Certified General Accountants Association and the Society of Management Accountants.

SEMESTER 1 15 WEEKS

ACC100	Introduction to Accounting I
EDP100	Introduction to Computer Programming
ENG101	Language and Communications
MARK100	Introduction to Marketing
MATH114	Business Mathematics
PD100	Introduction to Physical Distribution

SEMESTER 2 19 WEEKS

ACC101	Introduction to Accounting II
ENG102	Language and Communications
MATH115	Business Mathematics
PSY106	Human Relations
ELECT000	Elective

SEMESTER 3 15 WEEKS

ACC200	Financial Accounting I
ACC201	Management Information Systems
ACC202	Cost Accounting I
ENG201	English and the Business World
ELECT000	Elective

SEMESTER 4 19 WEEKS

ACC203	Financial Accounting II
ACC204	Cost Accounting II
ACC205	Auditing
ACC206	Taxation
BUS215	Media Applications
ELECT000	Elective

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP103	Typing for Beginners
TYP152	Advanced Typing
SOC126	Political Sociology: Cont. Social Issues
BUS227	Travel Planning II
LAW200	Commercial Law
LAW201	Business Law
MATH253	Quantitive Methods

Courses offered and curriculum order may be subject to change

Business General — Data Processing

GBC Code B109B

St. James Campus

4 Semesters

Students of this program are trained in the theoretical and practical applications of computers to business. The program is of particular value to those who are interested in a career as a computer programmer or who wish to advance to the level of systems analyst.

Students are exposed to several programming languages, with emphasis on COBOL, the language used most widely in industry. Skill is developed by work on realistic problem applications. In addition, a conceptual understanding of systems analysis and design developed by a combined lecture and project approach, is reinforced by extensive readings. Senior students are exposed to the current state of the art through discussion of selected articles from trade journals.

SEMESTER 1 15 WEEKS

ACC100	Introduction to Accounting I
EDP100	Introduction to Computer Programming
ENG101	Language and Communications
MARK114	Introduction to Marketing
PD100	Introduction to Physical Distribution

SEMESTER 2 19 WEEKS

EDP101	Cobol I
EDP103	Programming I
EDP104	Management Information Systems (MIS)
ENG102	Language and Communications
MATH116	Mathematics for EDP
PSY106	Human Relations

SEMESTER 3 15 WEEKS

ENG201	English and the Business World
MATH214	Statistics I
EDP200	Cobol II
EDP209	RPG II — Introductory
EDP210	Systems Analysis & Design
ELECT000	Elective

SEMESTER 4 19 WEEKS

BUS215	Media Applications
EDP204	Advanced Programming
EDP208	Advanced EDP Topics.
EDP211	RPG II — Advanced

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP103	Typing for Beginners
TYP152	Advanced Typing
SOC126	Political Sociology: Cont. Social Issues
BUS227	Travel Planning II
LAW200	Commercial Law
LAW201	Business Law
MATH253	Quantitive Methods

Courses offered and curriculum order may be subject to change

Business General — Marketing

GBC Code B109C

St. James Campus

4 Semesters

The marketing program is very highly concentrated in marketing subjects and is designed to prepare the student for a career in the field of marketing management, advertising, sales, marketing research or retail management.

The program makes extensive use of case studies, research projects and computerized decision-making simulations ("business games"), and video tape and related visual learning resources. The downtown location of the campus makes it ideal for field trips and industry projects.

SEMESTER 1 15 WEEKS

ACC100	Introduction to Accounting I
EDP100	Introduction to Computer Programming
ENG101	Language and Communications
MARK100	Introduction to Marketing
MATH114	Business Mathematics
PD100	Introduction to Physical Distribution

SEMESTER 2 19 WEEKS

ENG102	Language and Communications
MARK101	The Sales Aspect of Marketing
MARK102	Advertising and Sales Promotion
PSY106	Human Relations
MATH214	Statistics I
ELECT000	Elective

SEMESTER 3 15 WEEKS

In semesters 3 or 4, students must elect to take one of two math subjects on advice from department head

ENG210	English and the Business World
MARK200	Product Planning and Pricing Policies
MARK201	Distribution Channel Operations & Systems
MARK202	Marketing Research & Information Systems
ELECT000	Elective
ELECT001	Elective

SEMESTER 4 19 WEEKS

BUS215	Media Applications
MARK204	Public Relations & Publicity
MARK205	Marketing Management I
MARK206	Marketing Management II
MARK207	Marketing Management III
ELECT000	Elective

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP103	Typing for Beginners
TYP152	Advanced Typing
SOC126	Political Sociology Cont Social Issues
BUS227	Travel Planning II
LAW200	Commercial Law
LAW201	Business Law
MATH253	Quantitive Methods

Business General

GBC Code B109D

St. James Campus

4 Semesters

This program is designed for the student who seeks a broad, well integrated education in the field of business, as well as the opportunity to concentrate on more than one major subject area. In the second, third and fourth semesters, considerable flexibility is provided in that students select courses from other business options, under the guidance of faculty members.

SEMESTER 1 15 WEEKS

ACC100	Introduction to Accounting I
EDP100	Introduction to Computer Programming
ENG101	Language and Communications
MARK100	Introduction to Marketing
MATH114	Business Mathematics
PD100	Introduction to Physical Distribution

SEMESTER 2 19 WEEKS

ENG102	Language and Communications
MATH115	Business Mathematics
PSY106	Human Relations
ELECT000	Elective
ELECT000	Elective
ELECT000	Elective

SEMESTER 3 15 WEEKS

ENG201	English and the Business World
MATH214	Statistics I
PSY161	Introductory Psychology
ELECT000	Elective
ELECT000	Elective
ELECT000	Elective

SEMESTER 4 19 WEEKS

BUS215	Media Applications
ELECT000	Elective
ELECT000	Elective
ELECT000	Elective
ELECT000	Elective
ELECT000	Elective

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP103	Typing for Beginners
TYP152	Advanced Typing
SOC126	Political Sociology Cont Social Issues
BUS227	Travel Planning II
LAW200	Commercial Law
LAW201	Business Law
MATH253	Quantitive Methods

Physical Distribution

GBC Code B109E

St. James Campus

4 Semesters

In the two-year Physical Distribution program students get a thorough grounding in the processes involved in moving goods from producer to consumer, at the local, national, and international level.

SEMESTER 1 15 WEEKS

ACC100	Introduction to Accounting I
EDP100	Introduction to Computer Programming
ENG101	Language and Communications
MARK100	Introduction to Marketing
MATH114	Business Mathematics
PD100	Introduction to Physical Distribution

SEMESTER 2 19 WEEKS

ENG102	Language and Communications
MATH214	Statistics I
PD103	Warehousing Management
PD105	Inventory Control I
PSY106	Human Relations
ELECT000	Elective

SEMESTER 3 15 WEEKS

ENG201	English and the Business World
PD202	Physical Distribution Systems — Management I
PD203	Traffic and Transportation — Management I
PD204	Industrial Purchasing

SEMESTER 4 19 WEEKS

BUS215	Media Applications
PD205	Physical Distribution Systems — Management II
PD206	Inventory Control II
PD207	Traffic & Transportation — Management II
ELECT000	Elective
ELECT000	Elective

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP103	Typing for Beginners
TYP152	Advanced Typing
SOC126	Political Sociology Cont Social Issues
BUS227	Travel Planning II
LAW200	Commercial Law
LAW201	Business Law
MATH253	Quantitive Methods

Courses offered and curriculum order may be subject to change

Business Administration — Accounting

GBC Code B109F

St. James Campus

6 Semesters

This program is for students who desire more advanced study in Business Administration with concentration accounting and finance. It integrates the student's more advanced learning into a broader view of an organization as a whole. In addition, students increase their specialized knowledge through major fields of study. Advanced decision-making, planning and managerial skills are developed through the use of modern learning techniques.

Admission Requirements: Two year Business Accounting Diploma taken at George Brown College. Graduates of equivalent programs taken at other educational institutions may also qualify for admission.

SEMESTER 1 to 4 Taken in two-year program

SEMESTER 5 15 WEEKS

BUS320	Organizational Behaviour
BUS321	Financial Management
BUS326	Faculty Directed Research I
ACC300	Management Accounting
ACC301	Taxation

SEMESTER 6 19 WEEKS

BUS328	Management Practice
BUS324	Canadian Business Policy and Strategy
BUS327	Faculty Directed Research II
ACC302	Internal Auditing
ACC303	Finance

Business Administration — Data Processing

GBC Code B109G

St. James Campus

6 Semesters

This program is for students who desire more advanced study in Business Administration with concentration in programming. It integrates the student's more advanced learning into a broader view of an organization as a whole. In addition, students increase their specialized knowledge through major fields of study. Advanced decision-making, planning and managerial skills are developed through the use of modern learning techniques.

Admission Requirements: Two year Business Data Processing Diploma taken at George Brown College. Graduates of equivalent programs taken at other educational institutions may also qualify for admission.

SEMESTER 1 to 4 Taken in two-year program

SEMESTER 5 15 WEEKS

BUS320	Organizational Behaviour
BUS321	Financial Management
BUS326	Faculty Directed Research I
EDP300	Assembler I
EDP302	Microcomputer Systems

SEMESTER 6 19 WEEKS

BUS328	Management Practice
BUS324	Canadian Business Policy and Strategy
BUS327	Faculty Directed Research II
EDP301	Assembler II
EDP303	Data Base Concepts

Courses offered and curriculum order may be subject to change

Business Administration — Marketing

GBC Code B109H

St. James Campus

6 Semesters

This program is for students who desire more advanced study in Business Administration with concentration in marketing management. It integrates the student's more advanced learning into a broader view of an organization as a whole. In addition, students increase their specialized knowledge through major fields of study. Advanced decision-making, planning and managerial skills are developed through the use of modern learning techniques.

Admission Requirements: Two year Business Marketing Diploma taken at George Brown College. Graduates of equivalent programs taken at other educational institutions may also qualify for admission.

SEMESTER 1 to 4 Taken in two-year program

SEMESTER 5 15 WEEKS

BUS320	Organizational Behaviour
BUS321	Financial Management
BUS326	Faculty Directed Research I
MARK300	Industrial Marketing Management
MARK301	Management Information Systems

SEMESTER 6 19 WEEKS

BUS328	Management Practice
BUS324	Canadian Business Policy and Strategy
BUS327	Faculty Directed Research II
MARK302	Marketing Management for Service Industries
MARK303	Marketing Laws

Computer Programmer

GBC Code B116

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics and English in Grades 11 and 12 at or above, the general level, or equivalent. Mature applicants having industrial experience relevant to data processing may also qualify for this program.

To develop proficiency in a variety of activities associated with the analysis, design, implementation and control of computerized information systems. Graduates will be able to code computer programs in a variety of languages, working under supervision from written specification.

SEMESTER 1 15 WEEKS

EDP100	Introduction to Data Processing
ACC100	Introduction to Accounting I
ENG101	Language and Communication I
MARK100	Introduction to Marketing
MATH114	Business Mathematics I
TYP103	Typing for Beginners

SEMESTER 2 17 WEEKS

EDP101	Cobol I
EDP103	Programming I
EDP104	Management Information Systems (MIS)
PSY106	Human Relations
ENG102	Language and Communications II
MATH115	Business Mathematics II

SEMESTER 3 15 WEEKS

EDP200	COBOL II
EDP209	RPGII — Introductory
EDP210	Systems Analysis and Design
ENG200	English and the Business World
MATH214	Statistics I
PD100	Introduction to Physical Distribution

SEMESTER 4 17 WEEKS

EDP204	Advanced Programming
EDP208	Advanced EDP Topics
EDP211	RPGII — Advanced
BUS215	Media Applications
PSY211	Human Resource Management and Development
MATH253	Quantitative Methods

Courses offered and curriculum order may be subject to change.

Business Diploma — Insurance

GBC Code B118

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics and English in Grades 11 and 12 at or above the general level, or equivalent.

This program is available for those students who wish to pursue careers in the property/casualty insurance industry. The graduate of the program will have a thorough theoretical knowledge of the basic principles and procedures of the business, with specific instruction in property insurance, liability insurance, automobile insurance as well as other coverages and business related subjects. After satisfying the examination requirements of the Insurance Institute of Canada and completing an appropriate period of practical employment in the industry, normally one year, the graduate becomes automatically eligible for election as an Associate of the Insurance Institute of Canada (AIIC), the first step towards the industry's highest professional designation, Fellow of the Insurance Institute of Canada (FIIC).

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH114	Business Mathematics
ACC100	Introduction to Accounting I
PSY106	Human Relations
INS100	Principles and Practice of Insurance
INS102	Automobile Insurance

SEMESTER 2 19 WEEKS

INS101	Insurance on Property I
INS103	Insurance on the Person
ENG102	Language and Communications
MATH115	Business Mathematics
MARK110	Introduction to Marketing
INS206	Casualty Covers

SEMESTER 3 15 WEEKS

INS200	Insurance on Property II
INS207	Burglary and Fidelity Insurance
ENG201	English and the Business World
MATH214	Statistics I
PSY211	Human Resources Development
ELECT000	Elective

SEMESTER 4 19 WEEKS

INS201	Insurance Against Liability
INS202	Loss Adjustments and Claims Settlements
EDP100	Introduction to Computer Programming
BUS215	Media Applications
LAW201	Business Law
ELECT000	Elective

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women In Business
BUS227	Travel Planning II
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
LAW200	Commercial Law
LAW201	Business Law
MATH214	Statistics I
MATH215	Statistics II
MATH253	Quantitative Methods
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP102	Typing for Beginners
TYP152	Advanced Typing
SOC126	Political Sociology Cont Social Issues

Courses offered and curriculum order may be subject to change

Property Management — Residential

GBC Code B114

St. JamesCampus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credit in Mathematics and English in Grades 11 and 12 at or above, the general level, or equivalent. All applicants are interviewed before acceptance.

The curriculum of this program was developed by leaders of the property management industry and is intended to prepare students for certification in the public and private sectors. Emphasis will be placed on sound business administration, marketing, accounting, law, personnel management, and insurance, purchasing and inventory control, security and safety, resident relations, maintenance and housekeeping.

SEMESTER 1 15 WEEKS

HOUS111	Housekeeping — Theory
HOUS112	Housekeeping — Practice
ACC111	Bookkeeping Practice
SEC111	Security and Safety
MAIN111	Maintenance — Theory
MAIN112	Maintenance — Practice, Electrical
AIR110	Heating and Air Conditioning
LAW111	Law — Landlord and Tenant Act, Rent Review and Condominium Act
ENG110	Language and Communications
URB100	Urban Studies — Planning, Zoning, By Laws
PROP100	Introduction to Property Management
MATH101	Mathematics

SEMESTER 2 17 WEEKS

HOUS111	Housekeeping — Theory
HOUS112	Housekeeping — Practice
INV111	Purchasing and Inventory Control
ACC111	Bookkeeping Advanced
SEC111	Security and Safety
REL111	Resident Relations
MAIN111	Maintenance — Theory
LAW111	Law
ENG111	Language and Communications
MATH101	Mathematics
URB100	Urban Studies — Social Housing Management
PRAC111	Management Practice — 2 weeks in Industry

SEMESTER 3 15 WEEKS

MARK211	Advertising and Sales Promotion
ACC213	Accounting
INS211	Insurance
REL211	Resident Relations
PERS211	Personnel Management
PROP211	Amenity and Common Area Management
LAW211	Law
PRAC213	Management Practice
PROP200	Condominium Management
PSY103	Business Psychology
PRAC211	Management Practice — 2 weeks in Industry

SEMESTER 4 17 WEEKS

MARK211	Advertising and Sales Promotion
ACC213	Accounting — Advanced
INS211	Insurance
PERS211	Personnel Management
PROP211	Amenity and Common Area Management
LAW211	Law of Real Estate — Advanced
PRAC211	Management Practice — 2 weeks in Industry
PRAC214	Introduction to Data Processing
PROP200	Condominium Management
PROJ200	Research Project

Residential Construction Management

GBC Code B112

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics and English in Grades 11 and 12 at or above the general level, or equivalent. All Applicants are interviewed before acceptance.

Residential construction is a field that significantly differs from the general construction. In close consultation with the Housing and Urban Development Association of Canada (HUDAC), George Brown College has developed a program that is weighted heavily in the areas of business organization and management, with 50 per cent of school time spent in the technical area. In addition, during the months May, June, July and August, the student will be employed in a real work situation. The employer will be asked to submit to the college an assessment of the student's performance on the job.

SEMESTER 1 15 WEEKS

ARDR100	BPR and Elementary Drafting
CO110	Building Construction
CO111	Materials of Construction
SURV106	Survey Computation
BUS107	Small Business Management
BUS109	Job Site Management I
MARK103	Introduction to Marketing Management
MATH138	Mathematics

SEMESTER 2 17 WEEKS

ARDR101	Architectural Drafting
CO110	Building Construction
CO111	Materials of Construction
CO112	Contracts Specifications and Codes
SURV207	Elementary Surveying — Legal
PSY212	Human Resources Management
MARK104	Salesmanship
ENG102	Business Communication
MATH138	Mathematics

SEMESTER 3 15 WEEKS

CO211	Construction Project Scheduling
CO212	Building Construction
SURV103	Quantity Surveying and Estimating
ARDR200	Design and Planning
ARCH201	Job Site Management II
LAW208	Law I Canadian Business Law
LAW209	Law II Law of Real Estate
BUS216	Business — Government Relations
BUS217	Purchasing and Inventory Control
CO105	Safety
CO106	First Aid

SEMESTER 4 17 WEEKS

ARDR201	Final Design Project
SURV205	Quantity Surveying and Estimating
CO213	Mechanical-Electrical Services — Electrical
CO214	Mechanical-Electrical Services — Plumbing
CO215	Mechanical-Electrical Services — Heating
LAW210	Law III Real Estate and Development
BUS202	Promotional Management I
BUS203	Promotional Management II
BUS221	Financial Management

Courses offered and curriculum order may be subject to change

Retail Management

GBC Code B120

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics and English in Grades 11 and 12 at or above the general level, or equivalent.

The purpose of the Retail Management Program is to prepare students to enter the field of retailing in a wide variety of job-entry occupations and, with experience, move upward into management levels. During this period, students are introduced to both theory and practice and strong emphasis is placed on practical application achieved through work experience.

SEMESTER 1 15 WEEKS

SO100	Store Operations
MARK106	Market Analysis
DIST100	Distribution
ACC121	Accounting and Financial Management
DP100	Data Processing
ENG101	Language and Communications
MATH125	Mathematics of Merchandising

SEMESTER 2 19 WEEKS

SO100	Store Operations
SEL100	Selling
PROD100	Product Knowledge
INV112	Inventory Control
ACC121	Accounting and Financial Management
ENG102	Language and Communications
MATH214	Statistics
ELECT000	Elective

SEMESTER 3 15 WEEKS

MAN200	General Management
MER200	Merchandising
SO200	Store Operations
BUY200	Buying
PERS102	Personnel Administration
ENG201	English and the Business World
ELECT000	Elective

SEMESTER 4 19 WEEKS

MAN200	General Management
BUS226	Location Appraisal
SEC112	Security
ADV200	Advertising and Promotion
BUY200	Buying
LAW213	Law
ELECT000	Elective

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
BUS227	Travel Planning II
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
LAW200	Commercial Law
LAW201	Business Law
MATH214	Statistics I
MATH215	Statistics II
MATH253	Quantitive Methods
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP103	Typing for Beginners
TYP152	Advanced Typing
SOC126	Political Sociology Cont. Social Issues

Courses offered and curriculum order may be subject to change

Sales

GBC Code B142

St. James Campus

2 Semesters

Certification: Certificate

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Mathematics and English in Grades 11 and 12 at or above, the general level, or equivalent

Background: Self-motivation and good communication skills are essential

The one-year Sales Program provides the basics to start a successful career. The curriculum combines broad business and communications skills with the study of people and practical sales training using videotaped presentations. Upon completion of the program, the student should expect to find employment as a sales trainee, learning the needs of the employer's customers and the attributes of the firm's products or services. Alternatively, the Sales graduate may continue into the second year of the Business Administration program and work toward a Marketing or General Business Diploma.

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH114	Business Mathematics
MARK100	Introduction to Marketing
MARK201	Distribution Channel Organizations and Systems
ACC100	Introduction to Accounting I
PD100	Introduction to Physical Distribution

SEMESTER 2 19 WEEKS

ENG102	Language and Communications
MATH214	Statistics I
LAW201	Business Law
MARK101	The Sales Aspect of Marketing
PSY106	Human Relations
ELECT000	Elective

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women In Business
BUS227	Travel Planning II
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
LAW200	Commercial Law
LAW201	Business Law
MATH214	Statistics I
MATH215	Statistics II
MATH253	Quantitative Methods
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP102	Typing for Beginners
TYP152	Advanced Typing
SOC126	Poltical Sociology: Cont. Social Issues

Courses offered and curriculum order may be subject to change.

Secretarial Arts

Each of the Secretarial Arts programs has been designed with several purposes in mind. Wherever possible, common courses have been included in the early semesters to allow students ease of transfer from one program to another. Also included in each program are courses which prepare students for the electronic equipment found in modern offices. Finally, each program contains courses in the final semesters which prepare students for their specialization.

Secretarial Arts — General

GBC Code B105A

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status subject to functional level testing.

Program Description: The two-year Secretarial Arts program gives students opportunity to develop skills, abilities and knowledge which are needed in today's offices. Practical skills include keyboarding, word processing, shorthand, and transcription. The role of modern technology in the office in terms of information processing systems is stressed.

Career Prospects: Entry level positions in business include most secretarial functions for which the graduate will be well suited. His or her training plus experience should lead to advancement in an organization, including positions as executive assistant and administrative assistant.

Program Profile: Students are required to successfully complete courses listed below.

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH155	Business Mathematics I
KB100	Basic Keyboarding
BUS162	Office Systems
DP102	Introduction to Data Processing — Part I
SH104	Shorthand

SEMESTER 2 19 WEEKS

ENG104	Business Communication
MATH156	Business Mathematics II
KB101	Keyboarding II
BUS169	Document Preparation
DP112	Introduction to Data Processing — Part II
SH106	Shorthand and Transcription — Part I
ACC154	Introduction to Accounting — Part I

SEMESTER 3 15 WEEKS

ENG201	English and the Business World
KB200	Keyboarding III
BUS263	Secretarial Procedures
SH206	Shorthand and Transcription — Part II
WORD115	Word Processing I (A)
ACC254	Introduction to Accounting — Part II
ELECT000	Elective

SEMESTER 4 19 WEEKS

ENG204	Business Communication
BUS167	Information Processing
SH201	Applied Stenography
KB201	Keyboarding IV
WORD125	Word Processing I (B)
DIC204	Machine Transcription

ELECTIVES

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
SOC126	Political Sociology: Cont. Social Issues

Courses offered and curriculum order may be subject to change

Office Systems Administration

GBC Code B121

St. James Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English and Mathematics in Grades 11 and 12 at or above the general level, or equivalent, or mature student status subject to functional level testing.

Program Description: This three years diploma program allows students opportunity to develop practical office and communication skills and supervisory techniques. Courses include those which give students hands-on training in word processing and information processing as well as a conceptual background in application of the latest technology in modern business with an emphasis on its integrated capabilities.

Career Prospects: Any business possessing or converting to micro-chip technology to handle their information flow needs capable people who can direct or recommend systems. While the graduate of the Office Systems Administration program is likely to begin in an entry level position, he or she will have developed the skills and knowledge for an eventual position in an administrative or management office position.

Program Profile: Students are required to successfully complete courses listed below.

SEMESTER 1 15 WEEKS

KB100	Basic Keyboarding
BUS162	Office Systems
ENG101	Language and Communications
ACC152	Accounting I
MATH113	Business Mathematics
DP101	Introduction to Data Processing

SEMESTER 2 17 WEEKS

ENG104	Business Communication
BUS169	Document Preparation
WORD116	Word Processing I
ACC162	Accounting II
BUS167	Information Processing
ELECT000	Elective

SEMESTER 3 15 WEEKS

MARK215	Introduction to Marketing
WORD216	Word Processing II
MATH214	Statistics I
PRGM238	Computer Operations
ENG204	Business Communication
ELECT000	Elective

SEMESTER 4 17 WEEKS

DIC206	Dictation and Transcription Techniques
ELS126	Speaking with Confidence
PRGM239	Programming in BASIC
WORD217	Word Processing Applications
PSY106	Human Relations
ELECT000	Elective

SEMESTER 5 15 WEEKS

ENG204	Business Communication
PRGM300	Microcomputers and Business Applications
MIS300	Management Information Systems
PERS300	Personnel Administration
BUS331	Electronic Communications
BUS332	Corp. Fitness and Stress Management
PSY211	Human Resources Development

SEMESTER 6 17 WEEKS

BUS329	Data Base
MAN300	Records Management
MAN301	Business Management
BUS330	Decision Theory and Problem Analysis
PRGM301	Computer Graphics
ELECT000	Elective

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
TYP103	Typing for Beginners
TYP152	Advanced Typing
SOC126	Political Sociology Cont. Social Issues
BUS227	Travel Planning II
LAW200	Commercial Law
LAW201	Business Law
MATH253	Quantitative Methods

Courses offered and curriculum order may be subject to change.

Secretarial Arts — Legal

GBC Code B105B

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status subject to functional level testing.

Program Description: The two year Legal program is designed to help students develop expertise in legal and court document preparation using the kind of high tech equipment found in modern legal offices. Other practical skills include speedwriting and transcription while data processing concepts, accounting and communication skills are also stressed.

Career Prospects: Law firms and institutional legal departments are in constant need of qualified legal secretaries. Entry level positions include document preparation and general correspondence. College training and experience can lead to more involved activities often performed by para-legals and law clerks.

Program Profile: Students are required to successfully complete courses listed below.

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH155	Business Mathematics I
KB100	Basic Keyboarding
BUS162	Office Systems
DP102	Introduction to Data Processing — Part I
SH104	Shorthand

SEMESTER 2 19 WEEKS

ENG104	Business Communication
MATH156	Business Mathematics II
KB101	Keyboarding II
BUS169	Document Preparation
DP112	Introduction to Data Processing — Part II
SH106	Shorthand and Transcription — Part I
ACC154	Introduction to Accounting — Part I

SEMESTER 3 15 WEEKS

ENG201	English and the Business World
KB200	Keyboarding III
SH207	Legal Shorthand and Transcription — Part I
WORD115	Word Processing I (A)
LAW202	Business Law
ACC215	Legal Accounting
OP206	Legal Office Procedures — Part I

SEMESTER 4 19 WEEKS

ENG204	Business Communication
OP216	Legal Office Procedures — Part II
SH217	Legal Shorthand and Transcription — Part II
WORD208	Legal Word Processing
BUS262	Legal Machine Transcription — Part I
LAW203	Business Law
KB201	Keyboarding IV

Courses offered and curriculum order may be subject to change.

Court Reporting — Machine Shorthand

GBC Code B117

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status

Selection Procedure: Applicants complete a questionnaire, write an English aptitude test, and are interviewed. NOTE: No previous knowledge of shorthand or typewriting is required. However, if the applicant has 45-50 wpm in typing and 120 wpm in shorthand, credits may be granted towards the first year of the program.

Recommended Background: A high degree of manual dexterity and communication skills is strongly recommended. Related business experience, or successful completion of a recognized legal secretarial arts program would be beneficial.

Program Description: The two-year Court Reporting (Machine Shorthand) program is an intensive course in verbatim reporting skills that includes, among other practical areas of study, actual experience in the courts working with an experienced court reporter. Upon successful completion of the program, graduates are eligible to write the Chartered Shorthand Reporters Association examination. The testing procedures used during the course are approved by this Association.

Career Prospects: Graduates are prepared for careers in the Supreme, County, and Provincial Courts, Special Examiners offices, and other government agencies. There are also many opportunities for those who wish to freelance.

Job Descriptions: Court Reporting is a highly responsible and challenging position which involves verbatim recording of judicial proceedings, and the accurate transcription. Standards of excellence, dedication, and the ability to withstand long hours and pressure are qualities which the successful court reporter possesses. These qualities cannot be overemphasized as the outcome of a trial could be affected by the court reporters transcript.

Program Profile: Students are required to successfully complete courses consisting of the following compulsory subjects:

SEMESTER 1 15 WEEKS

BUS112	Current Events
ENG124	English for Court Reporting
SHM120	Stenograph Machine Shorthand
TYP100	Typewriting

SEMESTER 2 19 WEEKS

BUS115	Current Events
ENG125	English for Court Reporting
SHM121	Stenograph Machine Shorthand
TYP101	Typewriting

SEMESTER 3 15 WEEKS

ENG216	English and the Legal World
BUS208	Legal, Medical, Latin and General Terminology
BUS222	Court Procedures
BUS224	Current Events
SHM206	Shorthand and Transcription

SEMESTER 4 19 WEEKS

ENG217	English and the Legal World
BUS209	Legal, Medical, Latin and General Terminology
BUS223	Field Work in the Courts
BUS225	Current Events
SHM207	Shorthand and Transcription

Court Reporting — Stenomask

GBC Code B444

St. James Campus

2 Semesters

Certification: Certificate

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status. A typing speed of 40 wpm is also required.

Selection Procedure: Applicants complete a questionnaire, are tested in English, and are interviewed.

Program Description: The 1 year Stenomask program is designed to train students in verbatim reporting skills which include the repetition into a "mask" attached to a recording device of what is said during court proceedings, and transcription. A speed of 250 wpm is required. Students follow a similar program to machine shorthand court reporting, except that they develop recording skills on the Stenomask rather than in shorthand.

Career Prospects: Stenomask reporting is an approved technique in certain courts and other judicial bodies. This course is in direct response to the request by the Ontario Government for the College to train Stenomask reporters. Graduates are prepared for careers in the following areas: County Court, Criminal and Family Divisions of the Provincial Courts, Special Examiners offices, various government agencies, and convention reporting. There are also many opportunities for those who wish to freelance.

Program Profile: Students are required to successfully complete the following courses.

SEMESTER 1 15 WEEKS

ENG401	English and the Legal World
BUS407	Legal, Medical, Latin and General Terminology
BUS408	Court Procedures
ENG409	Current Events
SH404	Stenomask and Transcription

SEMESTER 2 19 WEEKS

ENG404	English and the Legal World
BUS412	Legal, Medical, Latin and General Terminology
BUS411	Field Work in the Courts
ENG410	Current Events
SH405	Stenomask and Transcription

Courses offered and curriculum order may be subject to change

Executive Receptionist

GBC Code B115

St. James Campus

2 Semesters

Certification: Certificate

Prerequisities: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status subject to functional level testing. An interview is also required.

Program Description: This one year program is designed to give students practice in developing strong communication and interpersonal skills. Basic keyboarding skills, knowledge of office systems and document preparation are other practical skills developed. In addition, the role of modern technology in today's business world is also examined.

Career Prospects: Entry level positions in business which require people capable of representing the company well and creating that important first impression are suitable for graduates of the program. Similar positions in large corporate offices would depend on work experience, including proven organizational abilities and maturity of self-expression.

Program Profile: Students are required to successfully complete courses listed below:

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH155	Business Mathematics I
KB100	Basic Keyboarding
BUS162	Office Systems
DP102	Introduction to Data Processing — Part I
BUS112	Curent Events
BUS163	Personal Effectiveness I

SEMESTER 2 19 WEEKS

ENG122	Language and Communications
MATH156	Business Mathematics II
KB101	Keyboarding II
BUS169	Document Preparation
DP112	Introduction to Data Processing — Part II
BSC101	Behavioural Science in Business
BUS173	Personal Effectiveness — Part II
ACC154	Introduction to Accounting — Part I

Medical Dicta-Typist

GBC Code B143

St. James Campus

2 Semesters

Certification: Certicate

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status subject to functional level testing. A typing speed of 45 wpm is also required.

Program Description: This one year program features the application of medical terminology to a variety of situations. Correspondence, reports and forms relating to the medical profession are studied, as are information processing concepts and word processing applications, to put them in the context of the modern office.

Career Prospects: Entry level career possibilities are found in the individual doctor's office, the clinic and the hospital office. Graduates may start out as a member of the office support team. Experience can lead to a supervisory position. Another possibility is as a secretary in charge of a doctor's office.

Program Profile: Students are required to successfully complete courses listed below:

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH155	Business Mathematics I
BUS169	Document Preparation
BUS162	Office Systems
DP102	Introduction to Data Processing — Part I
BUS165	Medical Terminology — Part I
BUS166	Medical Machine Transcription — Part I
WORD115	Word Processing I (A)

SEMESTER 2 18 WEEKS

ENG122	Language and Communications
MATH156	Business Mathematics II
KB201	Keyboarding IV
WORD125	Word Processing I (B)
BUS175	Medical Terminology — Part II
DP112	Introduction to Data Processing — Part II
ACC154	Introduction to Accounting — Part I
BUS176	Medical Office Procedures

Courses offered and curriculum order may be subject to change

Secretarial Arts — Word Processing

GBC Code B110

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status subject to functional level testing

Program Description: This two year program emphasizes training on the most current video display text-editing typing systems. The role of the word processor in today's electronic office system is examined as well as its relationship to data processing. Emphasis is also placed on supervisory and training techniques.

Career Prospects: Graduates are suitable for immediate employment as word processing operators in a general office or in secretarial positions requiring general and specialized word processing knowledge. Experience can lead to supervisory positions.

Program Profile: Students are required to successfully complete courses listed below.

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH155	Business Mathematics I
KB100	Basic Keyboarding
BUS162	Office Systems
DP102	Introduction to Data Processing — Part I
WORD113	Word Processing Concepts
BUS112	Current Events

SEMESTER 2 19 WEEKS

ENG104	Business Communication
MATH156	Business Mathematics II
KB101	Keyboarding II
BUS169	Document Preparation
BUS168	Trainee Techniques
DP112	Introduction to Data Processing — Part II
ACC154	Introduction to Accounting — Part I
ELECT000	Elective

SEMESTER 3 15 WEEKS

ENG201	English and the Business World
KB200	Keyboarding III
WORD114	Word Processing Operations — Part I
BUS167	Information Processing
ACC254	Introduction to Accounting — Part II
ELECT000	Elective

SEMESTER 4 19 WEEKS

ENG204	Business Communication
BSC101	Behavioural Science in Business
PERS212	Personnel Training
BUS266	Supervisory Techniques
KB201	Keyboarding IV
WORD209	Word Processing Operation — Advanced
WORD211	Centre Procedures

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French — Intermediate
FR102	Conversational French — Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
SOC126	Political Sociology Cont Social Issues

Courses offered and curriculum order may be subject to change

Word Processing Operator

GBC Code B111

St. James Campus

2 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status subject to functional level testing. A typing speed of 40 wpm or more is also required.

Program Description: This one year program stresses word processing functions allowing students to develop a thorough working knowledge of the most up-to-date equipment. Included are written communication skills and data processing concepts which examine the integrated electronic information handling systems.

Career Prospects: Graduates are acceptable for entry level positions in business requiring people capable of performing basic word processing functions. Entry level secretarial positions which stress word processing capabilities are also suitable. Career advancement to supervisory levels is contingent on experience and/or further training.

Program Profile: Students are required to successfully complete courses listed below.

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH155	Business Mathematics I
BUS169	Document Preparation
BUS162	Office Systems
DP102	Introduction to Data Processing — Part I
WORD114	Word Processing Operations — Part I

SEMESTER 2 19 WEEKS

ENG122	Language and Communication
MATH156	Business Mathematics II
KB201	Keyboarding IV
DP112	Introduction to Data Processing — Part II
BUS167	Information Processing
WORD124	Word Processing Operations — Part II
BSC101	Behavioural Science in Business

Courses offered and curriculum order may be subject to change

Word Processing — Legal

GBC Code B119

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English in Grades 11 and 12 at or above the general level, or equivalent, or mature student status subject to functional level testing.

Program Description: The two year Word Processing-Legal program combines two specializations, law and word processing. Principles of Canadian law are studied for a better understanding of the legal process and legal documents. Training in legal office practice and the fundamentals of legal accounting are offered. Finally, students explore the role of the word processor, study its applications, and are given opportunity to develop equipment competency.

Career Prospects: Employment opportunities in legal offices currently exist and will continue to grow for graduates with sound knowledge and the skills required to efficiently utilize word processing equipment in this specialized area.

Program Profile: Students are required to successfully complete courses listed below.

SEMESTER 1 15 WEEKS

ENG101	Language and Communications
MATH155	Business Mathematics I
KB100	Basic Keyboarding
BUS162	Office Systems
DP102	Introduction to Data Processing — Part I
WORD113	Word Processing Concepts
BUS164	Introductory Terminology

SEMESTER 2 19 WEEKS

ENG104	Business Communication
MATH156	Business Mathematics II
KB101	Keyboarding II
BUS169	Document Preparation
BUS168	Trainee Techniques
DP112	Introduction to Data Processing — Part II
ACC154	Introduction to Accounting — Part I
ELECT000	Elective

SEMESTER 3 15 WEEKS

ENG201	English and the Business World
KB200	Keyboarding III
WORD114	Word Processing Operations — Part I
LAW202	Business Law
ACC215	Legal Accounting
OP206	Legal Office Procedures — Part I
BUS262	Legal Machine Transcription — Part I

SEMESTER 4 19 WEEKS

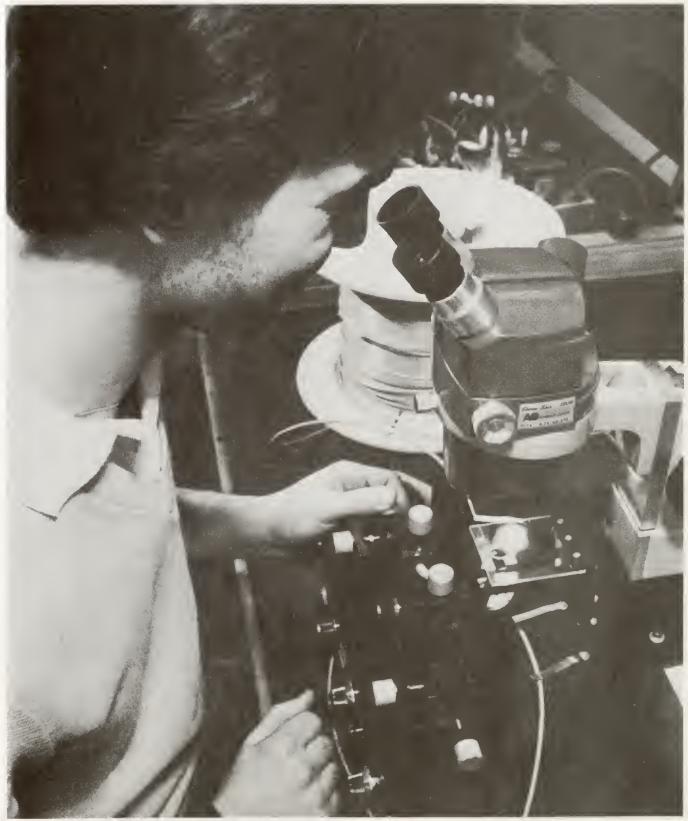
ENG204	Business Communication
BUS272	Legal Machine Transcription — Part II
OP216	Legal Office Procedures — Part II
LAW203	Business Law
WORD210	Legal Word Processing Advanced
KB201	Keyboarding IV

Electives

ACC102	Accounting for Decision Making
BUS116	Travel Planning I
BUS121	Women in Business
EC210	Economics I
EC211	Economics II
ELS126	Speaking with Confidence
ELS161	Introduction to Journalism
ELS162	Introduction to Canadian Literature
FR100	Conversational French
FR101	Conversational French-Intermediate
FR102	Conversational French-Advanced
MATH214	Statistics I
MATH215	Statistics II
PSY106	Human Relations
PSY161	Introductory Psychology
PSY162	Social Psychology
PSY211	Human Resources Development
SOC126	Political Sociology Cont Social Issues

Courses offered and curriculum order may be subject to change.

ELECTRO/MECHANICAL



Welding Specialist

GBC Code EN153

Casa Loma Campus

2 Semesters

Certification: Certificate

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, including Grade 12 Mathematics and English, or equivalent, with one of the following: (a) Specialization in Welding in a Secondary School, (b) Successful completion of a Welding-Fitter Program in a College of Applied Arts and Technology, (c) Approved industrial experience

Note: Pre-entry training or upgrading can be arranged for candidates who do not possess the stated prerequisite. A pre-entry assessment test can be arranged to verify previous practical experience.

This program combines practical instruction in well-equipped shops and laboratories with complementary coverage of theory and related areas required for a wide range of welding-related occupations. Emphasis is placed on the selection, operation, trouble-shooting and industrial application of manual, semi-automatic and fully automatic welding equipment. A successful graduate has a sound background in weld inspection, quality control, production procedures and metallurgical principles along with a variety of manipulative welding skills.

SEMESTER 1 — 20 WEEKS

WELD100	Shielded Metal Arc and Oxy-Acetylene Welding
WELD101	Gas Tungsten Arc Welding
WELD102	Gas Metal Arc, Fluxed Cored and Submerged Arc
WELD103	Shop and Laboratory Procedures
MET110	Metallurgy
MATH130	Mathematics
ENG141	Language and Communications I
EL200	Electrical Fundamentals
ENDR119	Technical Drawing
ENDR128	Descriptive Geometry

SEMESTER 2 — 20 WEEKS

WELD100	Shielded Metal Arc and Oxy-Acetylene Welding
WELD101	Gas Tungsten Arc Welding
WELD102	Gas Metal Arc, Fluxed Cored and Submerged Arc
WELD103	Shop and Laboratory Procedures
MET110	Metallurgy
MATH130	Mathematics
ENG141	Language and Communications II
EL200	Electrical Fundamentals
ENDR119	Technical Drawing
ENDR128	Descriptive Geometry

Instrumentation Engineering Technician — Industrial

GBC Code EN101

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level including Mathematics and English, or equivalent.

Background: Credits in Physics, Drafting, Electricity/Electronics, Mechanics, Chemistry and Computer Programming would be a useful background. The technician is usually working with the customer, therefore, an ability to communicate effectively with others is most essential.

The instrumentation technician works in all phases of industry using automatic controls. Job opportunities range from positions in research and development to sales and service for instrument manufacturers.

Each instruction period is followed by one or more laboratory periods to reinforce theory. The student is given a sound grounding in pneumatic instrumentation, electronic instrumentation, computers and related academic subjects.

SEMESTER 1 — 15 WEEKS

ELTC140	Introduction to Electronics
ELTC141	Electrical Fundamentals Advanced
ELTC142	Network, Motor and Generators
ELTC146	Electronic Laboratory
ENG142	English and Communications
MATH141	Mathematics

SEMESTER 2 — 15 WEEKS

ELTC240	Applied Amplifier Circuits
ELTC143	Semiconductors, Devices and Circuits
ELTC145	Digital Principles
ELTC147	Electronic Laboratory
ENG143	English and Communications
MATH142	Mathematics

SEMESTER 3 — 15 WEEKS

INST105	Measuring Principles I
INST104	Measuring Principles II
ELTC209A	Laboratory — Electronics
INST209A	Laboratory — Instrumentation
MATH241	Mathematics
ENG242	Language and Communications
CHEM100	Applied Chemistry
ELTC242	Microprocessors and System Applications

SEMESTER 4 — 22 WEEKS

INST210	Automatic Control Principles I
INST201	Final Control Elements
INST202	Analytical and Environmental Instrumentation
INST310	Automatic Control Principles II
ENG243	English and Communications
INST209B	Laboratory — Instrumentation
CHEM200	Industrial Chemistry and Equipment
INST299	Technical Report

Courses offered and curriculum order may be subject to change

Instrumentation Engineering Technology — Industrial

GBC Code EN114

St. James Campus

6 Tri-mesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level including Grade 12 Mathematics and English, or equivalent.

Background: Credits in Physics, Drafting, Electricity/Electronics, Mechanics and Computer Programming Grade 12 and Mathematics Grade 13 would be useful. Grade 12 Chemistry is highly recommended.

The instrumentation technologist works mainly in design and systems modification. Job opportunities range from challenging positions in research and development to sales and service for instrument manufacturers.

The industrial instrumentation technology program gives a six semester program in two years. Each instruction period is followed by one or more laboratory periods to reinforce theory. The student is given a firm grounding in electronic instrumentation, pneumatic instrumentation, computer technology and related academic subjects.

Career Prospects: The technologist's role in industry is primarily in system design and modification. However, the technologist may specialize in one specific aspect of instrumentation such as computer control, analysis instrumentation or electronic instrumentation.

SEMESTER 1 — 15 WEEKS

ELCT140	Introduction to Electronics
ELTC141	Electrical Fundamentals Advanced
ELTC142	Network, Motor and Generators
ELTC146	Electronic Laboratory
ENG142	English and Communications
MATH151	Mathematics

SEMESTER 2 — 15 WEEKS

ELTC231	Semiconductor Devices
ELTC148	Semiconductor Principles and Circuits
ELTC149	Advanced Transistors
ELTC151	Electronic Laboratory
ENG143	English and Communications
MATH152	Mathematics

SEMESTER 3 — 15 WEEKS

ELTC150	Logic Systems
ELTC230	Waveshaping and Control Devices
ELTC232	AM/FM Technology Laboratory
MATH251	Mathematics
ENG242	Language and Communications

SEMESTER 4 — 15 WEEKS

INST104T	Measuring Principles II
INST105T	Measuring Principles I
ELTC235	Computer Technology
INST221B	Laboratory — Instrumentation
ELTC221B	Laboratory — Electronics
CHEM100	Applied Chemistry
ENG243	English and Communications
PHY201	Physics

SEMESTER 5 — 15 WEEKS

INST310T	Automatic Control Principles II
INST210T	Automatic Control Principles I
INST201T	Final Control Elements
INST309A	Laboratory — Instrumentation
MATH351	Mathematics
CHEM200	Industrial Chemistry and Equipment
ENG300	Report Writing

SEMESTER 6 — 15 WEEKS

INST202T	Analytical and Environmental Instrumentation
INST302	Systems Design and Construction
ELTC303	Automatic Controls Systems
INST309B	Laboratory — Instrumentation
ELTC309B	Laboratory — Electronics
PHY202T	Modern Physics
INST399	Technology Report

Courses offered and curriculum order may be subject to change

Electronics Engineering Technology

GBC Code EL105

St. James Campus

6 Tri-mesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, including Grade 12 Mathematics and English, or equivalent

Background: Credits in Grade 11 in Physics, Chemistry, Drafting, Electricity/Electronics, Mechanics and Computer Programming and Mathematics Grade 12 would be useful background

This co-educational program was developed to meet the needs of industry for engineering technologists with a practical and theoretical knowledge who will be able to work effectively in the many areas of electronics. Technologists usually work on their own initiative, but under the general supervision of an engineer, a scientist or senior technologist. This program provides the student with a knowledge of advanced electronics based on quantitative analysis of electronic circuits and systems.

Graduates may be employed in many fields: design and construction of equipment; maintenance, repair, and installation of systems (computers, communication); quality control management, marketing and research. Because of the depth of knowledge required by the technologist, the college will review the student's progress at the end of the first semester to determine suitability for further technologist training. Those not qualifying may be transferred to the electronics technician program.

SEMESTER 1 15 WEEKS

ELTC140	Introduction to Electronics
ELTC141	Electrical Fundamentals Advanced
ELTC142	Network, Motor and Generators
MATH151	Mathematics
ELTC146	Electronic Laboratory
ENG142	English and Communications

SEMESTER 2 15 WEEKS

ELTC231	Semiconductor Devices
ELTC148	Semiconductor Principles and Circuits
ELTC149	Advanced Transistors
ELTC151	Electronic Laboratory
ENG143	English and Communications
MATH152	Mathematics

SEMESTER 3 15 WEEKS

ELTC150	Logic Systems
ELTC230	Waveshaping and Control Devices
ELTC232	AM/FM Technology
ELTC233	Electronic Laboratory
MATH251	Mathematics
ENG242	Language and Communications

SEMESTER 4 15 WEEKS

ELTC235	Computer Technology
ELTC236	Communications Technology Part I
ELTC237	Operational Amplifier Design
ELTC239	Electronic Laboratory
ELTC203T	Computer Aided Design
ENG243	English and Communications
PHY201T	Physics

SEMESTER 5 15 WEEKS

ELTC301	Communications Technology Part II
ELTC306	Component Technology
ELTC311	Electronic Mechanical Design Principles
ELTC312	Electronic Laboratory
ENG300	Report Writing
MATH351	Mathematics

SEMESTER 6 15 WEEKS

ELTC315	Pulse Technology
ELTC313	System Design and Construction
ELTC303	Automatic Controls Systems
ELTC399	Technology Report
ELTC316	Laboratory
PHY202T	Modern Physics

Courses offered and curriculum order may be subject to change.

Electronics Engineering Technician

GBC Code EL103

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, including Grade 12 Mathematics and English, or equivalent

Background: Credits in Physics, Drafting, Electricity/Electronics, Mechanics, Chemistry and Computer Programming would be a useful background. The technician is usually working with the customer therefore, an ability to work with and to communicate effectively with others is most essential.

The Electronics Technician Program provides both men and women with the opportunity to work in the maintenance, installation, production, design or research phases of the electronics industry. In order to better qualify the graduate for immediate productive work in industry, the program is designed so that in the second year the student specializes in one of the following areas: Communications, Computers, ETV/TV Broadcast. Graduates of this program are now employed in research and engineering departments of government and industry, in utility companies, in radio and television broadcasting, in closed circuit television studios, in the oil industry, and in the installation of computer and communications systems.

SEMESTER 1 15 WEEKS

ELTC140	Introduction to Electronics
ELTC141	Electrical Fundamentals Advanced
ELTC142	Network, Motor and Generators
ELTC146	Electronic Laboratory
ENG142	English and Communications
MATH141	Mathematics

SEMESTER 2 15 WEEKS

ELTC240	Applied Amplifier Circuits
ELTC143	Semiconductors, Devices and Circuits
ELTC145	Digital Principles
ELTC147	Electronic Laboratory
ENG143	English and Communications
MATH142	Mathematics

SEMESTER 3 15 WEEKS

ELTC144	AM/FM Modulation Principles and Receivers
ELTC208	Waveshaping Circuits
ELTC105	TV Principles and Circuits
ELTC244	Electronic Laboratory
MATH241	Mathematics
ENG242	Language and Communications

SEMESTER 4 22 WEEKS

ELTC213	Communication Principles
ELTC242	Microprocessors and System Applications
ELTC243	Analog/Digital Interfacing
ELTC245	Electronic Laboratory
ELTC299	Technical Report
ENG243	English and Communications
ELTC203	Computer Aided Design
ELECT000	Elective

CHOOSE 1 OF THE FOLLOWING 3 ELECTIVES

ELTC214	Communication Systems
ELTC216	Computer Systems
ELTC219	ETV/TV Broadcast Maintenance Systems

Courses offered and curriculum order may be subject to change.

Electrical Engineering Technology

GBC Code EL107

Casa Loma Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, including Grade 12 Mathematics and English, or equivalent.

Background: An electrical background is helpful but not essential.

The Electrical Technology program is constructed with a variety of subjects leading toward the independent design of equipment and systems. The curriculum includes lectures, laboratory, computer and design project work, and aims at making the student able to work on his own with the guidance of his instructors.

Objectives: Upon completion of the program, the graduate will be competent to perform his/her duties as an Electrical Technologist and will be aware of the changing nature of business, industry, science and technology, society and education. The graduate will recognize the need to continually update and upgrade his or her technical skills and knowledge for a positive contribution to Canadian industry.

A progressive attitude in the student is encouraged upon which a solid foundation of fundamental knowledge is built.

SEMESTER 1 15 WEEKS

EL111	Electrical Fundamentals
EL113	Industrial Electronic I
EL116	Electrical Laboratory — DC Circuits
ELDR112	Drafting I
MATH117	Mathematics
MECH105	Engineering Science
ENG141	Language and Communications I

SEMESTER 2 15 WEEKS

EL121	Direct Current Machines
EL122	Electrical Circuits
EL156	Electrical Laboratory — AC Circuits
EL157	Electrical Laboratory — DC Machines
EL126	Control of DC Machines (Theory and Lab)
EL145	Industrial Electronic II (Theory and Lab)
ELDR115	Electrical Drafting II
MATH127	Mathematics
ENG182	Language and Communications II

SEMESTER 3 15 WEEKS

EL234	Electrical Distribution Systems
EL236	Industrial Electronic III
EL237	Electrical Lab Distribution
EL239	Industrial Electronic Lab
EL245	Wiring Methods and Electrical Code
EL251	Computer Programming
ELDR232	Electrical Drafting III
MATH227	Mathematics
ENG263	Language and Communications

SEMESTER 4 19 WEEKS

EL232	Alternating Current Machines
EL252	Electrical Lab AC Machines
EL253	Control of AC Machines (Theory and Lab)
EL254	Industrial Electronic IV
EL250	Electrical Environmental Systems
EL248	Architectural/Mechanical Blue Print Reading
ELDR242	Electrical Drafting IV
MATH237	Mathematics
ENG264	Language and Communications
ENG255	Technical Report

SEMESTER 5 15 WEEKS

EL343	Protection of Electrical Equipment
EL353	Electrical Lab Systems
EL344	Industrial Electronic V
EL345	Industrial Electronic Lab V
ELDR235	Electrical Drafting V
EC100	Economics
MATH321	Mathematics

SEMESTER 6 19 WEEKS

EL364	Electrical Machine Design
EL362	Electronic Instruments
EL365	Electrical Estimating
EL366	Research Assignment (Part of EL364)
EL367	Industrial Electronic VI
EL368	Industrial Electronic Lab VI
ELDR355	Electrical Drafting VI
MATH322	Mathematics
MECH203	Mechanisms
PHY200	Modern Physics

Courses offered and curriculum order may be subject to change.

Electrical Engineering Technician

GBC Code EL102

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, including Grade 12 Mathematics and English, or equivalent.

Background: Credits in Physics, Electricity, and an electrical background is helpful but not essential.

Subjects covered include electrical fundamentals, DC and AC machines, industrial electronic controls, electrical drafting and related academic subjects. The course consists of lectures, laboratory and computer work designed to encourage the student to work on his own.

Upon completion of the program the graduate will be able to effectively and independantly function as a technician in the area of specialty required of him or her by their employer.

SEMESTER 1 15 WEEKS

EL111	Electrical Fundamentals
EL113	Industrial Electronic I
EL116	Electrical Laboratory — DC Circuits
ELDR112	Drafting I
MATH117	Mathematics
MECH105	Engineering Science
ENG141	Language and Communications

SEMESTER 2 19 WEEKS

EL121	Direct Current Machines
EL122	Electrical Circuits
EL156	Electrical Laboratory — AC Circuits
EL157	Electrical Laboratory — DC Machines
EL126	Control of DC Machines (Theory and Lab)
EL145	Industrial Electronic II (Theory and Lab)
ELDR115	Electrical Drafting II
MATH127	Mathematics
ENG182	Language and Communications

SEMESTER 3 15 WEEKS

EL234	Electrical Distribution Systems
EL236	Industrial Electronic III
EL237	Electrical Lab Distribution
EL239	Industrial Electronic Lab III
EL245	Wiring Methods and Electrical Code
EL251	Computer Programming
ELDR232	Electrical Drafting III
MATH227	Mathematics
ENG263	Language and Communications

SEMESTER 4 19 WEEKS

EL232	Alternating Current Machines
EL232	Electrical Lab AC Machines
EL253	Control of AC Machines (Theory and Lab)
EL254	Industrial Electronic IV
EL255	Industrial Electronic Lab IV
EL250	Electrical Environmental Systems
EL248	Architectural/Mechanical Blue Print Reading
ELDR242	Electrical Drafting IV
MATH237	Mathematics
ENG264	Language and Communications
ENG255	Technical Report

Electrical Engineering Technician — Design

GBC Code EL101

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level including Grade 12 Mathematics and English, or equivalent.

Background: Credits in Physics, Electricity, and an electrical background is helpful but not essential.

The Electrical Design Technician Program is the same as the Electrical Technician Program for the first year and concentrates on the area of specialization for the second year.

Subjects covered include electrical fundamentals, DC and AC machines, industrial electronic controls, electrical lighting, power and auxiliary systems design, electrical drafting and related academic subjects. The course consists of lectures, laboratory and computer work designed to encourage the student to work on his own.

Upon completion of the program, the graduate will be capable of effective, independant function as a valuable member of the skilled labor force in the electrical design and consulting engineering field.

SEMESTER 1 15 WEEKS

EL111	Electrical Fundamentals
EL113	Industrial Electronic I
EL116	Electrical Laboratory — DC Circuits
ELDR112	Drafting I
MATH117	Mathematics
MECH105	Engineering Science
ENG141	Language and Communications I

SEMESTER 2 19 WEEKS

EL121	Direct Current Machines
EL122	Electrical Circuits
EL156	Electrical Laboratory — AC Circuits
EL157	Electrical Laboratory — DC Machines
EL126	Control of DC Machines (Theory and Lab)
EL145	Industrial Electronic II (Theory and Lab)
ELDR115	Electrical Drafting II
MATH127	Mathematics
ENG182	Language and Communications II

SEMESTER 3 15 WEEKS

EL234	Electrical Distribution Systems
EL237	Electrical Lab — Distribution
EL245	Wiring Methods and Electrical Code
EL251	Computer Programming
EL265	Electrical Estimating
ELDR232	Electrical Drafting III
ELDR233	Advanced Drafting Techniques
ELDR234	Wiring Methods and Applications I
MATH227	Mathematics
ENG263	Language and Communications III

SEMESTER 4 19 WEEKS

ELDR246	Electrical Design Applications II
ELDR247	Installation and Branch Circuits
EL274	Auxiliary Systems
EL271	Alternating Current Machines
EL272	Electrical Lab — AC Machines
EL253	Control of AC Machines (Theory and Lab)
MATH237	Mathematics
ENG264	Language and Communications IV
ENG255	Technical Report

Courses offered and curriculum order may be subject to change

ENGLISH & LIBERAL STUDIES

Dance Training

GBC Code TH101

St. James Campus

6 Tri-mesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent and be at the Advanced Ballet level. Qualified applicants are interviewed and auditioned.

This two-year diploma program provides advanced-level students with the professional training they need to enter a ballet company. This is accomplished through classroom training in the Practice and Theory of Classical Ballet and other Dance Forms, as well as related subjects.

Students gain experience through frequent participation in performances, lecture/demonstrations and workshops in both original choreography and established repertoire.

OPTIONS Female students
Male students

OPTION 1 FEMALE STUDENTS

SEMESTER 1 15 WEEKS

DA100 Classical Ballet — Theory
DA101 Classical Ballet — Practical
DA102 Pointe
DA103 Pas de deux
DA105 Modern
DA107 Repertoire/Rehearsals

SEMESTER 2 15 WEEKS

DA100 Classical Ballet — Theory
DA101 Classical Ballet — Practical
DA102 Pointe
DA103 Pas de deux
DA105 Modern
DA107 Repertoire/Rehearsals

SEMESTER 3 8 WEEKS

ANAT106 Anatomy
DA100 Classical Ballet — Theory
DA101 Classical Ballet — Practical
DA107 Repertoire/Rehearsals
DA110 Performance
DA111 Acting Fundamentals

SEMESTER 4 15 WEEKS

DA106 Jazz
DA200 Classical Ballet — Theory
DA201 Classical Ballet — Practical
DA202 Pointe
DA203 Pas de deux
DA207 Rehearsals

SEMESTER 5 15 WEEKS

DA106 Jazz
DA200 Classical Ballet — Theory
DA201 Classical Ballet — Practical
DA202 Pointe
DA203 Pas de deux
DA207 Rehearsals

SEMESTER 6 8 WEEKS

DA112 Make-up/Stage Craft/Performance Preparation
DA113 Dance History
DA200 Classical Ballet — Theory
DA201 Classical Ballet — Practical
DA207 Rehearsals
DA210 Performance

OPTION 2 MALE STUDENTS

SEMESTER 1 15 WEEKS

DA100 Classical Ballet — Theory
DA101 Classical Ballet — Practical
DA103 Pas de deux
DA105 Modern
DA107 Repertoire/Rehearsals
DA115 Gymnastics/Weight training

SEMESTER 2 15 WEEKS

DA100 Classical Ballet — Theory
DA101 Classical Ballet — Practical
DA103 Pas de deux
DA105 Modern
DA107 Repertoire/Rehearsals
DA115 Gymnastics/Weight training

SEMESTER 3 8 WEEKS

ANAT106 Anatomy
DA100 Classical Ballet — Theory
DA101 Classical Ballet — Practical
DA107 Repertoire/Rehearsals
DA110 Performance
DA111 Acting Fundamentals

SEMESTER 4 15 WEEKS

DA106 Jazz
DA200 Classical Ballet — Theory
DA201 Classical Ballet — Practical
DA203 Pas de deux
DA207 Rehearsals
DA215 Gymnastics/Weight training

SEMESTER 5 15 WEEKS

DA106 Jazz
DA200 Classical Ballet — Theory
DA201 Classical Ballet — Practical
DA203 Pas de deux
DA207 Rehearsals
DA215 Gymnastics/Weight training

SEMESTER 6 8 WEEKS

DA112 Make-Up/Stage Craft/Peformance Preparation
DA113 Dance History
DA200 Classical Ballet — Theory
DA201 Classical Ballet — Practical
DA207 Rehearsals
DA210 Performance

Courses offered and curriculum order may be subject to change

Theater Arts

GBC Code TH100

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Qualified applicants will be interviewed and auditioned.

The George Brown College Theatre Arts program offers a vigorously concentrated career-oriented two-years of training in the fundamental skills, practicalities, traditions and professionalism needed for the performing arts.

Enrolment is limited, ensuring personal attention to each student. The faculty are all practitioners in the professional theatre, each with their own specialty, and therefore acquainted with current trends in acting, staging, writing, design, etc.

On successful completion of the program students receive a diploma.

SEMESTER 1 15 WEEKS

THEA100 Acting and Performance I
THEA102 Dance I
THEA103 Creative Movement
THEA104 Voice and Speech I
THEA108 Costume
THEA109 Make-up

SEMESTER 3 15 WEEKS

THEA101 Acting and Performance II
THEA108 Costume
THEA111 Voice and Speech II
THEA115 Dance II

SEMESTER 3 15 WEEKS

THEA200 Acting and Performance III
THEA 202 TV Technique
THEA203 Dance III
THEA204 Voice and Speech III
THEA205 Radio Technique
THEA207 Professionalism I

SEMESTER 4 16 WEEKS

THEA209 Professionalism II
THEA210 Voice and Speech IV
THEA212 Dance IV
THEA213 Showcase Presentation I
THEA214 Showcase Presentation II

Courses offered and curriculum order may be subject to change

FASHION

Apparel Management

GBC Code FT103

Kensington Campus

4 Semesters
Optional Third Year (2 Semesters)

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Qualified applicants will complete a questionnaire and may be interviewed.

Background: Credits in mathematics and social sciences are desirable.

The labour intensive apparel industry is the second largest employer of personnel in all of Canada.

Its diverse products ranging in scope from delicate hosiery and underwear to heavy outerwear and safety equipment, require a knowledge of materials and their effective use in industry far beyond the scope of average endeavours.

The Apparel Manufacturing Management program is designed to provide students with many of the basic skills necessary to enter this exciting field in a meaningful, practical, and rewarding way. Many of the 400 needle trade manufacturers in Ontario, as well as many of its retailers and wholesalers, have welcomed graduates of this program because of its extensive coverage.

Starting with a hands-on course in actual sewing, the curriculum embraces in addition fabric analysis, sewing machine technology and pattern making, cutting and design to provide the student with first hand knowledge of operations performed in an apparel manufacturing organization.

There is an in-depth concentration on computer applications, systems analysis, costing and time studies as well as plant layout and production techniques.

Management studies in the course include economics, merchandising, marketing, industrial psychology, personnel management, managerial organization and other disciplines necessary to operate effectively in the contemporary industrial environment.

In order to provide greater depth to and understanding of the goal of the organization, students operate their own retail store in Kensington Campus. Starting with a small fund they make and or buy merchandise for resale to other students.

In this part of the curriculum students are responsible for promotion, purchasing, display, sales, accounting procedures and are graded on their effectiveness in operating profitably, in a team effort.

In addition to the various courses of study, each student spends 10 weeks of each of the two school years working in the industry as practical work experience. Placement may be in manufacturing, distribution services, etc, to provide appropriate supplementary training.

A diploma is given at the end of the second year.

SEMESTER 1 15 WEEKS

AT110	Personnel Selection and Training
AT100	Work Measurement Technology I
BUS117	Business Principles Part I
ENG118	Technical Report Writing
PRGM125	Microcomputer Introductory
MATH154	Computer Assisted Mathematics
PAT156	Pattern Drafting I
EC102	Microeconomics
SEW141	Sewing Laboratory
FAB100	Fabrics I
ACC113	Accounting — Methods and Techniques
AT105	Apparel Machinery and Equipment

SEMESTER 2 27 WEEKS

AT157	Apparel Mechandising and Promotion
FAB160	Fabrics Analysis and Laboratory
AT151	Work Measurement Technology II
AT152	Patterns, Marking, Cutting Lab
PAT159	Pattern Drafting II
BUS159	Business Laboratory I
ENG171	Management of Human Resources I
ACC151	Accounting — Financial Management
PRGM135	Microcomputer Programming
EC172	Microeconomics
AT192	Apparel Business (Practical)
PWE163	Practical Work Experience

SEMESTER 3 15 WEEKS

AT200	Quality Control
AM201	Apparel Retailing and Distribution
ENG206	Management of Human Resources II
ACC216	Advanced Accounting
AT221	Apparel Marketing
PRGM225	Microcomputer Applications I
EC241	International Apparel Trade and Economics
PSY207	Industrial Psychology
FAB200	Textile and Fabric Manufacturing
AT203	Garment Costing and Analysis I
BUS200	Production Scheduling
PROD201	Production Systems

SEMESTER 4 27 WEEKS

AT205	Garment Costing and Analysis
AT256	Apparel Plant Layout and Design
ACC262	Advanced Accounting — Budgeting and Forecasting
AT261	Apparel Marketing — Advanced
PRGM235	Microcomputer Applications II
AT281	Labour — Management Relations
ENG206	Textile Testing and Evaluation
AT271	Managerial Organization
AT262	Production Management
AUD251	Audit Special Projects
RSCH251	Research
PWE263	Practical Work Experience

Optional Third Year

SEMESTER 5 15 WEEKS

The two year graduate may apply for entry into the junior year of the apparel degree program at the Philadelphia College of textiles and sciences.

AT350	Automated Machinery
AT320	Large Plant Problems
AT370	Multi-Plant Problems
FAB361	Fabrics Testing Lab
AT373	Delivery Schedules
EDP360	Advanced Computer Uses
AUD300	Audit Relevant Courses — Course Projects
RSCH300	Research and Survey — Course Projects

SEMESTER 6 17 WEEKS

AT350	Automated Machinery
AT320	Large Plant Problems
AT370	Multi-Plant Problems
FAB361	Fabrics Testing Lab
AT373	Delivery Schedules
EDP360	Advanced Computer Uses
AUD351	Audit Relevant Courses — Course Projects
RSCH351	Research and Survey — Course Projects

Courses offered and curriculum order may be subject to change

Creative Fashion Design

GBC Code FT101

Kensington Campus

4 Semesters
— Optional third year (2 semesters)
Creative Fashions — Design-a-line

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Qualified applicants will complete a questionnaire and may be interviewed.

Background: Credits in Art, Home Economics, Mathematics and Social Sciences are desirable.

The Canadian Apparel Industry employs well over 100,000 people in Canada. It is a labour intensive industry which depends upon the skills of its employees for much of its viability and effectiveness.

The Creative Fashion Design program is intended to provide a thorough grounding in the apparel industry, with a special emphasis upon design creation and execution. The course of studies is oriented well beyond the creative endeavours of developing a more pleasing or flattering or contemporary style, but rather, it is directed at providing all of the additional skills necessary to move the design from conception to the consumer.

Starting with an emphasis on the basic skills of sewing and garment assembly, it concentrates initially upon fundamentals of pattern making, pattern grading and garment construction. Concurrently students learn cutting and spreading techniques, evaluation of equipment used in production and textile and quality control in a factory and testing laboratory setting. Fashion illustration is taught in preparation for design creation, and for the ultimate fashion show in which creativity and effectiveness will be judged and graded.

Accompanying these initial endeavours are business studies beginning with business principles, economics, industrial psychology and proceding through apparel merchandising and promotion, retailing distribution and marketing as well as costing techniques. At all times students are engaged in copying, creating and executing designs of garments of various types from underwear to outerwear and swimwear for women, men, and children. The finished garments are modelled by students at both formal and informal fashion shows viewed by members of the apparel industry.

A Diploma is issued at the end of the second year. An optional third year (Creative Fashions — Design-a-line) is offered.

SEMESTER 1 15 WEEKS

SEW141	Sewing Labaoratory
PAT141	Apparel Pattern Drafting I
BUS117	Business Principles Part I
ENG131	Technical Report Writing I
FAB100	Fabrics I
AUD102	Fashion Shows and Preparation
AT141	Apparel Technology Part I
FASH142	Fashion-Evolution and Development
FASH107	Fashion Illustration I
EC102	Microeconomics

SEMESTER 2 17 WEEKS

SEW156	Sewing Laboratory — Advanced
AT147	Apparel Mechandising and Promotion
PAT151	Apparel Pattern Drafting II
AT150	Apparel Technology Part II
ENG181	Technical Report Writing II
PAT158	Grading and Cutting
FASH157	Fashion Illustration II
AUD151	Men's Wear Pattern Drafting I
ELECT000	Elective

Choose 1 of the following 3 Electives

FUR155	Fur and Leather Design
FASH153	Machine Knitting I
FAB160	Machine Analysis and Laboratory

SEMESTER 3 15 WEEKS

PAT201	Apparel Pattern Drafting IIIA
AT243	Apparel Technology IIIA
PAT202	Apparel Pattern Drafting IIIB
AT246	Apparel Technology IIIC
PSY207	Industrial Psychology
AM201	Apparell Retailing and Distribution
ELECT000	Elective

Choose 1 of the following 3 Electives

FASH200	Machine Knitting II
FUR205	Fur and Leather Technology
AUD201	Men's Wear Pattern Drafting II

SEMESTER 4 17 WEEKS

PAT261	Apparel Pattern Drafting IV
AT263	Apparel Technology IVA
AT251	Garment Costing and Analysis(AT 203)
PAT281	Patterns, Marking, Cutting Lab
AT264	Apparel Technology IVB
AT265	Apparel Technology IVC
RSCH253	Apparel Marketing(AT221)
ELECT005	Elective

Choose 1 of the following 3 Electives

FUR257	Fur and Leather Technology
FASH250	Machine Knitting III
AUD252	Men's Wear Pattern Drafting III

Third Year Creative Fashions — Design-a-line (optional)

SEMESTER 5 15 WEEKS

PAT341	Apparel Pattern Drafting VII
DES300	Design-A-Line
RSCH300	Research and Survey — Course Projects
AUD300	Audit Relevant Courses — Course Projects

SEMESTER 6 17 WEEKS

DES351	Design-A-Line
RSCH351	Research and Survey — Course Projects
AUD351	Audit Relevant Course — Course Projects

Courses offered and curriculum order may be subject to change

Jewellery Arts

GBC Code FT102

Casa Loma Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Qualified applicants will complete a questionnaire and submit an art portfolio.

Background: Good eyesight (Corrected vision is accepted), a high degree of manual dexterity, mechanical inclination, patience, initiative and artistic sense are the necessary qualities for a person to succeed in this field.

In the Jewellery Arts Program the students learn all the various aspects of jewellery making. The emphasis during the first two years of training is on various jewellery making techniques in the manufacturing and custom design of jewellery items. Students design their own course projects and develop them into jewellery items by using precious metals and jewels. In the third year students select one of the following six areas of specialization:

Silversmithing
Engraving
Gemsetting
Goldsmithing
Model Making
Jewellery Repair — Practical

Upon completion fo the program the graduate may find employment in Jewellery Manufacturing, Custom Studios, or Jewellery Stores.

SEMESTER 1 15 WEEKS

JWL160	Introduction to Jewellery
MET166	Metallurgy I
GEM167	Gemmology I
JWL166	Grinding and Polishing
DES169	Design I
ENA170	Enamelling I
JWL165	Theory of Specialty

SEMESTER 2 19 WEEKS

MET176	Metallurgy II
GEM177	Gemmology II
JWL176	Grinding and Polishing
DES179	Design II
JWL175	Theory of Specialty
ENA180	Enamelling II
JWL171	Goldsmithing II
JWL172	Gemsetting II
JWL173	Engraving II
JWL174	Silversmithing II

SEMESTER 3 15 WEEKS

MET266	Metallurgy III
GEM267	Gemmology III
DES269	Design III
JWL251	Jewellery Repairs
JWL261	Goldsmithing III
JWL265	Theory of Specialty
ELECT000	Elective

Choose 1 of the following 4 Electives

JWL202	Gemsetting
JWL203	Engraving
JWL204	Silversmithing
ENA270	Enamelling

SEMESTER 4 19 WEEKS

MET276	Metallurgy IV
GEM277	Gemmology IV
DES279	Design IV
JWL252	Jewellery Repairs
JWL271	Goldsmithing IV
JWL275	Theory of Specialty
ELECT000	Elective

In Semesters 5 and 6 (3rd Year) students will choose one of six options for their area of specialization. The subjects applicable to each specialty are chosen from the following:

JWL364-374 Silversmithing
SBM132-142 Small Business Management I and II
DES369-379 Jewellery Design V and VI
JWL351-352 Jewellery Repair III and IV
JWL365-375 Theory of Specialty
JWL363-373 Hand Engraving V and VI
JWL362-372 Gemsetting V and VI
GEM367-377 Diamond Grading and Evaluation
JWL361-371 Goldsmithing V and VI
JWL305-315 Modelmaking I and II
JWL466-476 Jewellery Repair — Practical

Courses offered and curriculum order may be subject to change

Jewellery Repairs

GBC Code FT402

Casa Loma Campus

2 Semesters

Certification: Certificate

Prerequisites: Some work experience in the jewellery industry, a recommendation from the Canadian Jewellers Institute or by the applicant's employer, and a successful interview by the staff of the Jewellery Arts Department.

Good eyesight or corrected vision is essential.

This program provides a certificate with specialization in the repair of all types of jewellery.

SEMESTER 1 15 WEEKS

JWL466	Jewellery Repair — Practical
SBM132	Small Business Management
JWL365	Theory of Specialty
GEM367	Diamond Grading and Evaluation

Choose two of the following four electives.

JWL277	Gemsetting
JWL278	Engraving
JWL279	Silversmithing
ENA280	Enamelling

SEMESTER 2 19 WEEKS

JWL476	Jewellery Repairs — Practical
SBM142	Small Business Management
JWL375	Theory of Specialty
GEM377	Diamond Grading and Evaluation

Choose two of the following four electives.

JWL277	Gemsetting
JWL278	Engraving
JWL279	Silversmithing
ENA280	Enamelling

Gem Setting

GBC Code FT404

Casa Loma Campus

2 Semesters

Certification: Certificate

Prerequisites: Some work experience in the jewellery industry, a recommendation from the Canadian Jewellers Institute or by the applicant's employer, and a successful interview by the staff of the Jewellery Arts Department.

Good eyesight or corrected vision is essential.

Gemsetting is a highly technical skill requiring extensive knowledge of precious and semi-precious and materials, as well as techniques for applying them to various jewellery items.

Most gemsetters find employment with jewellery manufacturers, but they can also be self-employed or work for larger jewellery repair establishments.

The pleasure of working with gems is augmented by substantial material rewards for a good craftsman in the field.

This program provides a certificate with specialization in setting of all types of precious gemstones.

SEMESTER 1 15 WEEKS

JWL362	Gemsetting V (Major Option)
SBM132	Small Business Management
GEM367	Diamond Grading and Evaluation
JWL365	Theory of Speciality
GEM267	Gemmology III

SEMESTER 2 19 WEEKS

JWL372	Gemsetting VI (Major Option)
SBM142	Small Business Management
GEM377	Diamond Grading and Evaluation
JWL375	Theory of Speciality
GEM277	Gemmology IV

Courses offered and curriculum order may be subject to change.

Hand Engraving

GBC Code FT403

Casa Loma Campus

2 Semesters

Certification: Certificate

Prerequisites: Some work experience in the jewellery industry, a recommendation by the Canadian Jewellers Institute or by the applicant's employer, and a successful interview by the staff of the Jewellery Arts Department

Good eyesight or corrected vision and manual dexterity is essential

Hand Engraving is an ancient art which is still very much appreciated. The skill of writing in metal is both artistic and technically demanding. It involves a number of styles of writing as well as the making of seals, coats of arms, dies, and other types of decorative designs in metal.

The engraver must be able to transfer designs to metal, and then by using a variety of hand tools specially prepared for the job at hand, artistically cut away the excess metal to make the design permanent.

Because of the small number of specialists in this field, the employment opportunities are excellent either in jewellery repair shops, manufacturing establishments or in indepentent businesses

This program provides a certificate with specialization in hand engraving

SEMESTER 1 15 WEEKS

JWL363	Engraving V (Major Option)
SBM132	Small Business Management
DES369	Jewellery Design
JWL365	Theory of Specialty
MET266	Metallurgy III

SEMESTER 2 19 WEEKS

JWL373	Engraving VI(Major Option)
SBM142	Small Business Management
DES379	Jewellery Design
JWL375	Theory of Specialty
MET276	Metallurgy IV

Commercial Ceramics

GBC Code FT105

Casa Loma Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Demonstrated artistic ability would be a distinct asset

Commercial Ceramics refers to a diverse industry that supplies tableware, domestic cooking utensils, architectural tiles and facings, decorative pieces, garden and flowerware. Production of these items requires expert knowledge of materials, technology and design. Ceramics manufacturers, large and small, need knowledgeable and skilled technicians, artisans, designers, supervisors and managers.

SEMESTER 1 15 WEEKS

DES101	Design Studies
CER102	Ceramic Production and Design
CER103	Ceramics Techniques
CER106	Mould Making
CER107	Clay and Glaze Technology (Theory and Practice)
CHEM101	Chemistry for Ceramics
ENG141	Language and Communications I

SEMESTER 2 19 WEEKS

DES150	Design Studies
CER152	Ceramic Production and Design
CER153	Ceramic Techniques
CER156	Mould Making
CER157	Clay and Glaze Technology (Theory and Practice)
CHEM151	Language and Communications II

SEMESTER 3 15 WEEKS

DES201	Commercial Design Studies
HIST202	Ceramic Art History
CER202	Commercial Ceramic Production and Design
CER203	Commercial Techniques
CER206	Mould Making
CER207	Ceramic Technology
CER208	Kiln Technology
SBM155	Business Management Studies for Ceramics

SEMESTER 4 19 WEEKS

DES251	Commercial Design Studies
HIST252	Ceramic Art History
CER252	Commercial Ceramic Production and Design
CER253	Commercial Tehniques
CER256	Mould Making
CER257	Ceramic Technology
CER258	Kiln Technology
SBM165	Business Management Studies for Ceramics

Courses offered and curriculum order may be subject to change

Watchmaking

GBC Code FT111

St. James Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Grade 10 or equivalent to enter the apprentice portion (first two semesters of training). Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent, to qualify for the three year program

Students who enter with Grade 10 and who successfully complete the first year of training may qualify to continue in the post-secondary program upon acceptance by a Performance Review Committee.

Background: Any hobby involving work with small mechanisms would be beneficial

Good eyesight (corrrected vision is accepted) and mechanical reasoning abilities are essential.

The program is structured in such a way that the first year of training qualifies for the in-school portion of the apprenticeship training as required by the Government of Ontario where watch-making is a certified trade

Upon successful completion of first year of training the student has the following options

1 On the job training in the industry for two periods of 1800 hours
2. Completion of second year in the College and one period of 1800 hours of training in industry.
3 Completion of second and third year of the College Program

Students completing any one of the three routes of training qualify for examination for the Certificate of Qualification required in Ontario to practice watch repairing

Only students who successfully complete all three years of training in the College will receive a College Diploma.

The Program is organized in such a way that theoretical knowledge and the skills complement each other throughout the three years of training. The most complex work as well as the most advanced electronic watch servicing is taught in the third year of training.

After completion of each year of training students are employable at a different level of competency. Upon completion of three years of training they are competent to practice watch repairing of mechanical and electronic watches of any kind.

SEMESTER 1 15 WEEKS

WACH132	Basic Tools
WACH133	Balance Work
WACH134A	Watchmaking Skills
WACH135A	Basic Turning
WACH136A	Watchmaking Theory
MET130A	Metallurgy I
MATH136	Mathematics
ENG126	Language and Communications
WACH137	Identification of Watch Movements

SEMESTER 2 17 WEEKS

WACH134B	Watchmaking Skills
WACH139	Watch Overhaul
WACH140	Case Repairs
WACH136B	Watchmaking Theory
WACH135B	Basic Turning
MET130B	Metallurgy I
MATH136	Mathematics
WACH138	Ordering Parts and Nomenclature
ENG127	Language and Communications

SEMESTER 3 15 WEEKS

WACH233A	Hairspring Work
WACH225	Escapement Matching
WACH231A	Watchmaking Skills
WACH234A	Watch Overhaul
WACH232A	Theory of Watchmaking
ENDR143A	Drafting
SBM133A	Small Business Management

SEMESTER 4 19 WEEKS

WACH235	Lathe Work
WACH233B	Hairspring Work
WACH231B	Watchmaking Skills
WACH236	Introduction to Quartz Watches
WACH234B	Watch Overhaul
WACH232B	Theory of Watchmaking
PHY121	Physics
SBM133B	Small Business Management
ENDR143B	Drafting

SEMESTER 5 15 WEEKS

WACH337	Lathe Work
WACH338	Hairspring Work
WACH339A	Watchmaking Skills
WACH340A	Watch Overhaul
WACH341A	Watchmaking Theory
WACH335A	Applied Electronics
EC210	Economics I

SEMESTER 6 19 WEEKS

WACH229B	Watchmaking Skills
WACH340B	Watch Overhaul
WACH342	Balance & Tuning Fork Electronic Watch Servicing
WACH341B	Watchmaking Theory
WACH335B	Applied Electronics
EC212	Economics

Courses offered and curriculum order may be subject to change

Furniture Production and Design

GBC Code FT104

Kensington Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent

Qualified applicants will complete a questionnaire and be interviewed

Background: Experience in drawing, woodworking, finishing or upholstery would be an asset

The furniture industry in Canada numbers well over 700 production plants and 1800 custom shops. Of that number, over two-thirds are in Ontario.

The industry is engaged in the production and distribution of furniture for home use, and the construction and sale of fixtures, cabinets, racks and industrial equipment for use by manufacturers, retailers, schools, hospitals, and transportation groups.

While the steady increase in the number of families in Canada assures a growing requirement for furniture, the reduction in number of skilled Europeans to our shores has resulted in a severe shortage of skilled artisans. Consequently, there is a continuing demand for well-trained personnel in the furniture industry, either in production, renovation, design in an established enterprise or as an entrepreneur.

The program concentrates on the three main skills in furniture manufacturing: cabinet making, finishing and upholstering. In the first year the student will study topics such as construction, design, factory organization and costing. Materials worked include metals, woods and plastics. During the summer the student will work in the industry.

Options: Woodworking, Finishing, Upholstery

SEMESTER 1 15 WEEKS

FURN101 Cabinet and Chairmaking I
FURN102 Wood Machining I
FURN103 Furniture Finishing I
FURN104 Upholstery I
FURN105 Materials I
FURN106 Technical Drawing and Blueprint Reading
FURN108 Furniture Production Management I
AUD100 Audit Relevant Courses — Course Projects
RSCH100 Research and Survey — Course Projects
FURN107 Design Interiors
SBM135 Math/Small Business Management

SEMESTER 2 17 WEEKS

FURN151 Cabinet and Chairmaking II
FURN162 Wood Machining II
FURN163 Woodwork Finishing II
FURN154 Upholstery II
FURN155 Materials II
FURN156 Technical Drawing II
FURN158 Furniture Production Management II
AUD150 Audit Relevant Courses — Course Projects
RSCH150 Research and Survey — Course Projects
FURN157 Design Interiors
ENG152 Vocabulary of Furnishing I

OPTION 1 WOODWORKING

SEMESTER 3 15 WEEKS

FURN205 Materials II
FURN207 Furniture Design II and Interiors
FURN208 Furniture Production Management III
FURN202 Wood Machine (with FURN201)
FURN201 Cabinet and Chairmaking III
AUD202 Audit Relevant Courses — Course Projects
RSCH202 Research and Survey — Course Projects
FURN206 Technical Drawing III
SBM232 Maths/Small Business Management
FURN210 Plastics and Metals in Furniture

SEMESTER 4 17 WEEKS

FURN255 Materials IV
FURN257 Design and Interiors IV
FURN258 Furniture Production Management IV
FURN262 Wood Machining IV
FURN251 Cabinet and Chairmaking IV
AUD250 Audit Relevant Courses — Course Projects
RSCH250 Research and Survey — Course Projects
FURN256 Technical Drawing IV
FURN211 Plastics and Metals in Furniture
ENG252 Furniture Terminology III

OPTION 2 FINISHING

SEMESTER 3 15 WEEKS

FURN205 Materials III
FURN207 Furniture Design II and Interiors
FURN208 Furniture Production Management III
FURN209 Style Colour Textile I
FURN203 Finishings III
AUD202 Audit Relevant Courses — Course Projects
RSCH202 Research and Survey — Course Projects
FURN206 Technical Drawing III
SBM232 Plastics and Metals in Furniture

OPTION 2 FINISHING

SEMESTER 4 17 WEEKS

FURN255 Materials IV
FURN257 Design and Interiors IV
FURN258 Furniture Production Management IV
ENG252 Furnishing Terminology III
FURN263 Finishings IV
AUD250 Audit Relevant Courses — Course Projects
RSCH250 Research and Survey — Course Projects
FURN259 Styles Colour Texture II
FURN256 Technical Drawing IV
FURN211 Plastics and Metals in Furniture

OPTION 3 UPHOLSTERY

SEMESTER 3 15 WEEKS

FURN205 Materials III
FURN207 Furniture Design II and Interiors
FURN208 Furniture Production Management III
SBM232 Maths/Small Business Management
FURN204 Upholstery III
AUD202 Audit Relevant Courses — Course Projects
FURN215 Drapes and Slipcovers I
FURN214 Antique Upholstered Furniture

OPTION 3 UPHOLSTERY

SEMESTER 4 17 WEEKS

FURN255 Materials IV
FURN257 Design and Interiors IV
FURN258 Furniture Production Management IV
ENG252 Furnishing Terminology III
FURN254 Upholstery IV
AUD250 Audit Relevant Courses — Course Projects
RSCH250 Research and Survey — Course Projects
FURN264 Antique Upholstered Furniture
FURN265 Drapery and Slipcovers II

Courses offered and curriculum order may be subject to change

GRAPHIC ARTS

Printing Technology

GBC Code G101

St. James Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in English and Mathematics in Grade 12 at or above the general level, or equivalent. Grade 12 Chemistry and Grade 11 Physics are recommended. All applicants must attend an interview, mechanical reasoning test, colour vision test, and tour of the Printing Technology Department.

Background: Drafting techniques, mechanical aptitude, typing skills, and creative interests are all useful in various areas of printing technology.

The printing industry is one of the largest employers in the Toronto area, which in turn is known as a centre of superior quality printing companies.

The Printing Technology Department has modern presses, photolypesetting and computer typesetting equipment, process cameras, an electronic colour scanner, stripping, platemaking and bindery equipment. Technologists in the 3-year program take "hands-on" technical training in four major areas for each of the first two years, and then select one area such as presswork, phototypesetting, camera/stripping or bindery in which to specialize in the third year.

Job Descriptions: Relative to the selection of third year technical specialization, Printing Technologists may find employment in the traditional craft areas of typographic composition (computer typesetting, mark-up, layout, paper and film assembly), or pre-press preparatory work (camera operation, colour separation, film imposition, platemaking), or press operation (tending various offset presses, rotogravure, or flexographic presses), or binding and finishing (operating computerized cutters and other precision equipment for folder, stitching, assembling). In addition there exist employment opportunities in areas of quality assurance and introductory management functions (hardware applications and purchasing, technical service/repair, production control, estimating, marketing and sales).

YEAR 1 32 WEEKS

COMP100	Introduction to Computer Typesetting
COMP110	Paper and Film Assembly (Paste-up)
CAM100	Photomechanical Reproduction
PSP100	Film Imposition/Printing Surface Preparation
LTPR100	Machine Printing Letterpress
LITH100	Machine Printing (Offset)
LITH110	Machine Printing Offset
BIND100	Binding and Finishing
PHY131	Physics (Semester 1)
MATH131	Mathematics (Semester 1)
ENG144	Language and Communications (Semester 1)
CHEM131	Chemistry (Semester 1)
PHY132	Physics (Semester 2)
MATH132	Mathematics (Semester 2)
ENG145	Language and Communications (Semester 2)
CHEM132	Chemistry (Semester 2)

YEAR 2 32 WEEKS

Note: Students must either type 40 wpm or be prepared to take a Lumisonic Typing course.

COMP200	Phototypesetting Keyboard/Operation Concept
CAM200	Photomechanical Reproduction
PSP200	Film Imposition/Printing Surface Preparation
FLEX200	Machine Printing Flexography
ROTO200	Machine Printing Rotogravure
LITH230	Machine Printing Web Offset
LITH220	Machine Printing Offset
BIND200	Binding and Finishing
SC231	Quality Control (Semester 3)
PHY231	Physics (Semester 3)
MATH231	Mathematics (Semester 3)
ENG244	Language and Communications (Semester 3)
AUD203	Lumisonic Typing (Semester 3)
SC232	Quality Control (Semester 4)
PHY232	Physics (Semester 4)
MATH232	Mathematics (Semester 4)
ELECT000	Elective (Semester 4)

Choose 1 of the following 2 Electives

ENG245	Opportunities in Printing
ENG246	Effective Oral Communications

YEAR 3 32 WEEKS

In year 3 students will select the area in which they wish to specialize by choosing one of the four options. Students in any option will take all the courses listed in that option, plus two technical elective courses from other option areas. A selection of electives from business courses must be taken and the types of courses normally available are as follows: Psychology, Statistics, Economics, Data Processing, Accounting, and Business Mathematics. Business electives must total a minimum of 255 course hours for the year.

Option 1 Typographic Composition

COMP300	Phototypesetting Tape Input
COMP310	Advanced Keyboard Techniques
COMP320	Cold Type Mark-up
COMP330	Typography I
COMP340	Typography II
COMP350	Computer Peripherals and Typesetting
EST300	Graphic Arts Estimating (Semester 5)
ENG301	Technical Report Writing
TRP301	Technical Report Writing
ELECT002	Elective — Technical (Semester 5)
ELECT004	Electives — Academic
ELECT003	Elective — Technical (Semester 6)

Option 2 Camera/Stripping

CAM300	Photomechanical Reproduction
CAM310	Photomechanical Reproduction
CAM320	Photomechanical Reproduction (Gravure)
CAM330	Photomechanical Reproduction (Scanner)
PSP300	Film Imposition/Printing Surface Preparation
PSP310	Film Imposition/Printing Surface Preparation
PSP320	Film Imposition/Printing Surface Preparation
EST300	Graphic Arts Estimating (Semester 5)
ENG301	Technical Report Writing
TRP301	Technical Report Writing
ELECT002	Elective — Technical (Semester 5)
ELECT004	Electives — Academic
ELECT003	Elective — Technical (Semester 6)

Option 3 Machine Printing

LTPR300	Die Cutting and Embossing
FLEX300	Machine Printing Flexography
ROTO300	Machine Printing Rotogravure
LITH310	Machine Printing Offset
LITH320	Machine Printing Offset
LITH330	Machine Printing Web Offset
EST300	Graphic Arts Estimating (Semester 5)
ENG301	Technical Report Writing
TRP301	Technical Report Writing
ELECT002	Elective — Technical (Semester 5)
ELECT004	Electives — Academic
ELECT003	Elective — Technical (Semester 6)

Option 4 Binding and Finishing

BIND300	Binding and Finishing
BIND310	Binding and Finishing
BIND320	Binding and Finishing
BIND330	Binding and Finishing
BIND340	Binding and Finishing
BIND350	Binding and Finishing
EST300	Graphic Arts Estimating (Semester 5)
ENG301	Technical Report Writing
TRP301	Technical Report Writing
ELECT002	Elective — Technical (Semester 5)
ELECT004	Electives — Academic
ELECT003	Elective — Technical (Semester 6)

Courses offered and curriculum order may be subject to change.

Printing Technician

GBC Code G100

St. James Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Basic Level Graduation Diploma with credits in English and Mathematics in Grade 12 at or above the basic level, or equivalent. Any Science, Physics, or Chemistry background is recommended. All applicants must attend an interview, mechanical reasoning test, colourvision test, and tour of the Printing Technology Department.

Background: Drafting Techniques, Mechanical Aptitude, Typing Skills, and creative interests are all useful in various areas of printing technology.

The printing industry is one of the largest employers in the Toronto area, which in turn is known as a centre of superior quality printing companies.

The Printing Technology Department has modern presses, phototypesetting and computer typesetting equipment, process cameras, electronic colour scanner, stripping, platemaking and bindery equipment. Technicians in the 2-year program take "hands-on" technical training in four major areas for each of the two years, e.g. presswork, phototypesetting, camera/stripping, and bindery.

Job Description: Printing Technicians may find employment at the introductory levels of traditional craft areas such as typographic composition (phototypesetting, layout, paper and film assembly), or pre-press preparatory work (camera operation, film imposition, platemaking), or press operation (in a supervised capacity tending offset, rotogravure or flexographic presses), or binding and finishing. (operating computerized cutters, folders). The scope of applicability of these technical functions is only limited by the reduced program length (as compared to printing technology).

SEMESTER 1 16 WEEKS

COMP100	Introduction to Computer Typesetting
COMP110	Paper and Film Assembly (Paste-up)
CAM100	Photomechanical Reproduction
PSP100	Film Imposition/Printing Surface Preparation
LTPR100	Machine Printing Letterpress
LITH100	Machine Printing (Offset)
LITH110	Machine Printing Offset
BIND100	Binding and Finishing
MATH128	Mathematics
ENG144	Language and Communications
SCI128	Basic Science (Physics and Chemistry)

SEMESTER 2 16 WEEKS

COMP100	Introduction to Computer Typesetting
COMP110	Paper and Film Assembly (Paste-up)
CAM100	Photomechanical Reproduction
PSP100	Film Imposition/Printing Surface Preparation
LTPR100	Machine Printing Letterpress
LITH100	Machine Printing (Offset)
LITH110	Machine Printing Offset
BIND100	Binding and Finishing
MATH128	Mathematics
ENG144	Language and Communications
PHY129	Physics

SEMESTER 3 16 WEEKS

Note: Students must either type 40 wpm or be prepared to take a Lumisonic Typing course.

COMP200	Phototypesetting Keyboard/Operation Concept
CAM200	Photomechanical Reproduction
PSP200	Film Imposition/Printing Surface Preparation
ROTO200	Machine Printing Rotogravure
LITH220	Machine Printing Offset
BIND200	Binding and Finishing
LITH230	Machine Printing Web Offset
FLEX200	Machine Printing Flexography
CHEM228	Chemistry
MATH228	Mathematics
ENG244	Language and Communications

SEMESTER 4 16 WEEKS

COMP200	Phototypesetting Keyboard/Operation Concept
CAM200	Photomechanical Reproduction
PSP200	Film Imposition/Printing Surface Preparation
ROTO200	Machine Printing Rotogravure
LITH220	Machine Printing Offset
BIND200	Binding and Finishing
LITH230	Machine Printing Web Offset
FLEX200	Machine Printing Flexography
SC228	Quality Control
ELECT000	Elective

Choose 1 of the following 2 Electives

ENG245	Opportunities in Printing
ENG246	Effective Oral Communications

Courses offered and curriculum order may be subject to change.

Graphic Design

GBC Code G102

St. James Campus

4 Semesters with optional 5th and 6th semesters

Admission Requirements: Ontario Secondary School Graduation Diploma, or equivalent.

Recommended Preparation: Credits in Art.

Selection Procedure: Applicants must submit a portfolio of five to ten art samples and perform an art test.

The two-year Graphic Design Diploma program is formulated and organized to develop students' skills and abilities to the highest level of competence in the fields of graphic design and advertising arts. Upon graduation, students are prepared to pursue a career starting as a junior artist which leads to professional status in the advertising arts industry. The industry offers diversity and exceptional opportunities for personal and professional growth.

Third year students further develop their skills and abilities and learn to produce artwork of professional quality and excellence. During the third year, students develop a solid understanding of art studio operation and the many relationships and functions in the advertising arts industry. First hand facts and information are obtained through field trips to specific businesses and personal contact with management and working professionals. The "Field Work" program provides students with a greater insight into the various work environments within the industry. Special emphasis is given to creating a highly professional portfolio.

Graduates receive a diploma after the second year and a special certificate after the third year.

Career Prospects: Students of the Graphic Design program are prepared to meet the requirements of the industry. Graduates obtain positions in advertising agencies, graphic design studios, art studios, packaging companies, major retail organizations, film production studios, printing companies, publishing companies and corporations that operate in-house art and advertising departments. Metropolitan Toronto is Canada's largest centre for graphic arts and offers more opportunities in advertising arts and graphic design than any other region in Canada.

SEMESTER 1 15 WEEKS

DRAW120	Drawing Research
LIFE121	Life Drawing
LETT122	Lettering
DES123	Design
COLR124	Science of Colour
PRNT125	Graphic Reproduction Studies
MECH126	Mechanicals
HIST127	History of Art
ILLS128	Illustration Techniques
TYPO129	Typographical Design
MRK131	Marker Rendering Techniques

SEMESTER 2 19 WEEKS

DRAW120	Drawing Research
LIFE121	Life Drawing
LETT122	Lettering
DES123	Design
COLR124	Science of Colour
PRNT125	Graphic Reproduction Studies
HIST127	History of Art
ILLS128	Illustration Techniques
TYPO129	Typographical Design
STGR130	Studio Graphics
MRK131	Marker Rendering Techniques

SEMESTER 3 15 WEEKS

LIFE221	Life Drawing
ILLS228	Illustration
STGR230	Studio Graphics
CORP231	Corporate Design
TVGR233	TV Graphics
ADES234	Advertising Design
PHOT235	Photographic Design
ADES236	Retail Advertising

SEMESTER 4 19 WEEKS

LIFE221	Life Drawing
ILLS228	Illustration
STGR230	Studio Graphics
CORP231	Corporate Design
TVGR233	TV Graphics
ADES234	Advertising Design
PHOT235	Photographic Design
ADES236	Retail Advertising

SEMESTER 5 15 WEEKS

ILLS328	Illustration
STGR330	Studio Graphics
CORP331	Corporate Design
TVGR333	TV Graphics
ADES334	Advertising Design
PRGM337	Computer Graphics
STBM339	Studio Business Management

SEMESTER 6 19 WEEKS

ILLS328	Illustration
STGR330	Studio Graphics
CORP331	Corporate Design
TVGR333	TV Graphics
ADES334	Advertising Design
PHOT335	Photographic Design
PRGM337	Computer Graphics

Courses offered and curriculum order may be subject to change.

HOSPITALITY

Culinary Management

GBC Code F106

Kensington Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Applicants will attend an orientation session.

Background: Credits in Bookkeeping and Business Mathematics would be useful as a background.

The Culinary Management Program provides training in all aspects of food preparation, cooking and presentation to international standards. Graduates are well versed in kitchen organization and management. Included in the program are two six-week periods of supervised work experience under top Ontario chefs.

Successful candidates complete the in-school portion of the basic and advanced apprentice cook program with the subsequent hours of credit.

After two years of work in the industry graduates are eligible to write the Professional Certification Examination for the trade of journeyman cook.

Career Prospects: Career opportunities in the field of professional food preparation are excellent. As changing lifestyles influence more and more people to dine out, the demand for professional chefs increased by more than 50% in the last three years alone. Graduates find employment in large hotels and food operations as well as in the more intimate restaurants and clubs.

Job Descriptions: *Chef de Partie* — reporting directly to Sous (assistant) Chef. The Chef de Partie is responsible for the operation of a major department (Partie) within a large kitchen organization including the ordering and preparation of food, quality control, cost control and the supervision of staff.

Sous Chef — reporting directly to the Executive Chef. The Sous Chef is responsible for the day to day preparation of food and the supervision of staff for all departments within the kitchen, ensuring that the food prepared meets the standards set by the establishment in quality and cost. The Sous Chef is also fully responsible for the kitchen in the absence of the Executive Chef.

SEMESTER 1 — 15 WEEKS

DIM101	Dimensions Hospitality
FTC101	Food Theory
FSQ101	Small Quantity Food
FLQ101	Large Quantity Food
BKT101	Bake Theory
BK101	Baking
MT101	Meat Theory
SAN100	Sanitation, Safety and Hygiene
MATH111	Business Mathematics
ENG107	Business Communications
ACC109	Accounting
PUR101	Food Products and Standards
MARK203	Marketing I

SEMESTER 2 — 21 WEEKS

FTC102	Food Theory
FSQ102	Small Quantity Food
FLQ102	Large Quantity Food
BKT102	Bake Theory
BK102	Baking
NUT102	Nutrition
PUR102	Purchasing for Hospitality
FC103	Food Cost Control
EDP105	Elementary Computer Concepts
MENU101	Menu Planning
ACC110	Accounting
CWE101	Work Experience

SEMESTER 3 — 15 WEEKS

FTC203	Food Theory
FSQ203	Small Quantity Food
FLQ203	Advanced International Cuisine
BKT203	Baking Theory
BK203	Baking
FC204	Food Cost Control
LAW204	Law and Insurance
VIN201	Wines
MARK208	Marketing II
ACCL201	Labour Cost
FFE201	Food Facilities and Blueprint
ACC207	Hospitality Accounting

SEMESTER 4 — 21 WEEKS

FTC204	Food Theory
FLQ204	Food Preparation Advanced Management
BK204	Baking
PERS202	Personnel
SERV204	Function Organization
FFE202	Food Facilities Design and Layout
MP201	Management Projects
TECH201	Management Techniques
CWE202	Work Experience

Courses offered and curriculum order may be subject to change

Hotel Management

GBC Code F108

Kensington Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Qualified applicants will attend an orientation session.

Background: Credits in Bookkeeping and Business Mathematics would be useful.

Highly skilled management is vital to the efficient operation of modern hotels. The hotel industry is a round-the-clock business and it needs young men and women who are prepared to meet the challenge it offers.

The Hotel/Motel Management Program gives the student the training to enter this field. Students learn practical skills in the most modern facilities available including fully-equipped bar, food preparation stations, a private licensed dining lounge and a front desk classroom with individual reception desks. Management techniques are learned with the aid of a computerized model of a hotel operation.

In the well-established co-operative training program, students spend time with the department heads of world-famous Canadian hotels learning under expert supervision what the hotel industry is all about.

Career Prospects: Graduates can look forward to a variety of positions within a hotel such as front office, sales, catering, beverage control, accounting, personnel or purchasing as well as the potential for careers in the closely-related food service industry.

Job Descriptions: *Front Office and Reception* — The front office processes reservations, registers the guests, assigns rooms, handles complaints and provides information on all hotel services.

Sales — The salesperson visits local and out of town business executives, offering the hotel's guest rooms, banquet halls and seminar rooms for conventions and meetings.

Purchasing — The purchasing agent obtains competitive bids on all items purchased by the hotel, selecting the proper quality for goods purchased and ensuring correct shipping and billing.

Beverage — The food and beverage manager supervises all preparation and service staff, ensuring that all dining rooms and lounges are operating efficiently and profitably while maintaining high standards of food, beverage and service.

Banquets — The banquet manager supervises the set up and service of banquets, weddings, receptions, meetings and conventions.

Accounting — The food and beverage controller compiles cost and profit statistics, prices, menus, forcasts business trends and reports to management on cost-saving measures.

SEMESTER 1 — 15 WEEKS

DIM101	Dimensions Hospitality
FTC101	Food Theory
FSQ101	Small Quantity Food
SAN100	Sanitation, Safety and Hygiene
BKT101	Bake Theory
BK101	Baking
MATH110	Business Mathematics
ENG108	Business Communication
MIX103	Mixology
SERV101	Dining Room Service
MENU101	Menu Planning
ACC103	Accounting
PUR101	Food Products and Standards

SEMESTER 2 — 17 WEEKS

FTC102	Food Theory
FSQ102	Small Quantity Food
NUT102	Nutrition
PUR102	Purchasing for Hospitality
FC101	Food and Beverage Control
ENG108	Business Communication
SERV102	Dining Room Organization
EDP105	Elementary Computer Concepts
ACC104	Hospitality Accounting Procedures
MARK105	Marketing I
CWE102	Work Experience

SEMESTER 3 — 15 WEEKS

FOP201	Front Desk Procedures
MARK208	Marketing II
PERS202	Personnel
ACC207	Hospitality Accounting
TECH201	Management Techniques
FFE201	Food Facilities and Blueprint
HK201	Housekeeping
SUN201	Sundry Services

SEMESTER 4 — 17 WEEKS

LAW204	Law and Insurance
VIN201	Wines
FOO202	Front Office Operations
MARK209	Marketing III
ACCL201	Labour Cost
SERV204	Function Organization
FFE203	Food Facilities Design and Layout
SEC201	Security
MP201	Management Projects
CWE203	Work Experience

Courses offered and curriculum order may be subject to change

Chef Training (Pre-employment)

GBC Code F742

Kensington Campus

2 Semesters

Certification: Certificate

Prerequisites: Grade 10 or equivalent
Qualified applicants will attend an orientation session.

Graduates of this program will find excellent opportunities for employment in all areas of the food service industry, including hotel kitchens, restaurants, institutions, and commercial and industrial catering organizations. Graduates of this program will have completed the requirements for the in-school portion of the Apprentice Cook Certification Program, and will be considered for direct entry into the 3rd semester of the Culinary Management Program.

SEMESTER 1 20 WEEKS

BKT701	Bake Theory
BK701	Baking Practical
ENG741	Language and Communications
FSQ701	Small Quantity Food
FLQ701	Large Quantity Food
MATH735	Business Mathematics
MT701	Meat Theory
NUT731	Nutrition
FTC701	Food Theory
PUR705	Kitchen Management
DIM701	Dimensions Hospitality
SAN730	Sanitation and Safety

SEMESTER 2 20 WEEKS

BKT702	Bake Theory
BK702	Bake Practical
FTC702	Food Theory
FSQ702	Small Quantity Food
FLQ702	Large Quantity Food
ACCL701	Labour Control
PUR702	Purchasing
FC703	Food Cost Control
MATH735	Business Mathematics
ENG741	Language and Communications

Courses offered and curriculum order may be subject to change.

Food and Beverage Management

GBC F107

Kensington Campus

4 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grades 11 and 12 at or above the general level, or equivalent. Qualified applicants will attend an orientation session.

Background: Credits in bookkeeping and Business Mathematics would be useful.

The food industry is the most rapidly expanding service sector of Canada's economy. In 1983 it offered more than 100,000 new jobs.

Fascinating opportunities exist in restaurants, commercial, social and industrial catering, airline food service, health care facilities, hotels, resorts and fast food operations.

Students graduate with thorough training in practical skills and management techniques, using modern facilities which include fully-equipped bar, food preparation stations and a private licensed dining lounge.

The latest innovations in food service management are learned with a computerized menu planning system as well as banquet catering, food and beverage control, restaurant accounting, nutrition and personnel management.

The College has co-operative training programs with many of Ontario's top restaurants and catering establishments.

Career Prospects: Graduates can look forward to positions in restaurants, institutions and catering companies at the mid-management level. Many begin their careers as management trainee, spending approximately six months working in a variety of positions before promotion to department head, assistant manager or possibly manager of a food service operation.

Job Description: *Management Trainee* — The management trainee works in all departments of a restaurant operation from food preparation to accounting, learning all aspects of the business from the administrative point of view.

Manager — The manager is responsible for the complete operation of a restaurant or food service facility, from supervising employees to maintaining excellent customer relations.

Food and Beverage Manager — The food and beverage manager is responsible for one of the most challenging departments within a large food service operation or hotel. The position includes responsibility for training and supervising staff, planning menus, cost control, quality control, sanitation, and an excellent food production system.

Owner-graduates with access to financial backing may take up the challenge of opening their own food establishment. Often having started out with small fast food or specialty restaurants, many of our graduates own and operate successful food operations.

SEMESTER 1 15 WEEKS

DIM101	Dimensions Hospitality
FTC101	Food Theory
FSQ101	Small Quantity Food
SAN100	Sanitation, Safety and Hygiene
NUT102	Nutrition
MATH110	Business Mathematics
ENG108	Business Communication
EDP105	Elementary Computer Concepts
SERV101	Dining Room Service
MENU101	Menu Planning
ACC103	Accounting
MARK105	Marketing I
PUR101	Food Products and Standards

SEMESTER 2 17 WEEKS

FTC102	Food Theory
FSQ102	Small Quantity Food
BKT101	Bake Theory
BK101	Baking
PUR102	Purchasing for Hospitality
FC101	Food and Beverage Control
ENG108	Business Communication
MIX103	Mixology
SERV102	Dining Room Organization
ACC104	Hospitality Accounting
CWE102	Work Experience

SEMESTER 3 15 WEEKS

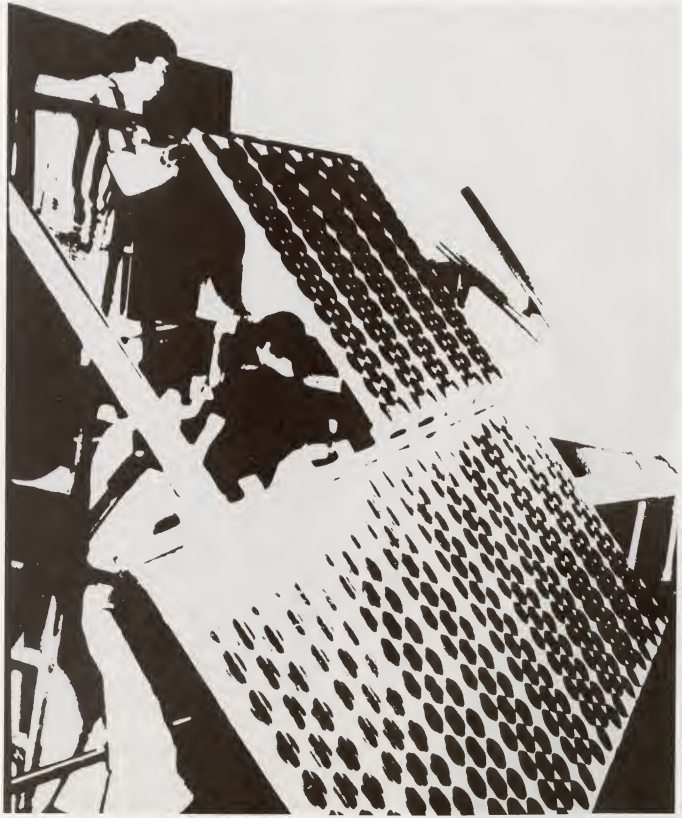
FLQ203	Advanced International Cuisine
MARK208	Marketing II
PERS202	Personnel
ACC207	Hospitality Accounting
TECH201	Management Techniques
FFE201	Food Facilities and Blueprnt

SEMESTER 4 17 WEEKS

LAW204	Law and Insurance
VIN201	Wines
MARK209	Marketing III
ACCL201	Labour Cost
SERV204	Function Organization
SUN201	Sundry Services
FFE203	Food Facilities Design and Layout
SEC201	Security
MP201	Management Projects
CWE203	Work Experience

Courses offered and curriculum order may be subject to change

MATHEMATICS & SCIENCE



Energy Conversion Technology

GBC Code MS100

Casa Loma Campus

6 Semesters

Certification: Diploma

Prerequisites: Ontario Secondary School Graduation Diploma with credits in Grade 11 Physics, Grade 12 Mathematics and English at, or above, the general level, or equivalent.

Recommendation: Credits in Chemistry, Drafting, Electricity, Electronics, Computer Programming and Calculus.

This three-year post-secondary program is designed to provide skilled technologists for the energy conversion field, and in the area of alternative energy.

Ontario is committed to increase its energy self-sufficiency from 22 to 35 per cent by 1995, with a minimum of 5 per cent of the province's energy needs (or 40 per cent of the increase) being met through a renewable energy contribution from solar energy and biomass, as stated in "Energy Security for the Eighties: A Policy for Ontario" released September 1979 by the Minister of Energy

Graduates are qualified for jobs in such diverse fields as photovoltaic solar cell manufacture, biomass conversion, waste disposal and energy storage. Graduates will be employed as technologists, technicians, researchers, designers, systems co-ordinators, salesmen and technical writers.

OPTIONS: Radiant Solar Energy
Biomass Energy

SEMESTER 1 15 WEEKS

ECT110	Alternative Energy Systems
ECT115	Energy Concepts
MACH107	Machine Shop Processes
MECH103	Mechanics and Mechanisms
PHY124	Physics
MATH117	Mathematics
ENG141	Language and Communications I
ELS154	Man — Environment Impact
WELD148	Welding Processes and Application

SEMESTER 2 19 WEEKS

ECT120	Solar Energy — Conversion Systems
ECT125	Energy Conservation
ELTC131	Electronic Circuits
GEO120	Climatology and Meteorology
CHEM117	Chemistry
MATH126	Mathematics II
ENG182	Language and Communications II
EI S155	Energy Law

Option 1 Radiant Solar Energy

SEMESTER 3 15 WEEKS

ECT200	Photovoltaic Semiconductor Cells
PHY233	Thermodynamics and Heat Trans.
ELTC246	Electronics II
MECH204	Mechanics of Materials
CHEM252	Physical Chemistry
MATH254	Mathematics
PRGM236	Computer Languages

Option 1 Radiant Solar Energy

SEMESTER 4 19 WEEKS

ECT202	Solar Heating/Solar Option
ECT203	Energy Economics
ECT204	Wind and Water Systems
MATH256	Computers and Microprocessors
MECH205	Fluid Mechanics
INST222	Instrumentation
MATH257	Mathematics

Option 1 Radiant Solar Energy

SEMESTER 5 15 WEEKS

ECT300	ECT Option Theory
ECT301	ECT Option Lab Report
ELTC317	Electronic Control Systems
ENDR345	Drafting and Design
PHY300	Modern Physics and Technology
MATH354	Mathematics
ELS301	Supervision

Option 1 Radiant Solar Energy

SEMESTER 6 19 WEEKS

ECT302	ECT Option Theory
ECT303	ECT Option Lab Report
ECT304	ECT Second Lab Report
ECT305	Direct Energy Conversion
MATH355	Mathematics
ELS302	Report Writing

Option 2 Biomass Energy

SEMESTER 3 15 WEEKS

AIR204	Heating and Refngeration
PHY233	Thermodynamics and Heat Trans
ELTC246	Electronics II
MECH204	Mechanics of Matenals
CHEM252	Physical Chemistry
MATH254	Mathematics
PRGM236	Computer Languages

Option 2 Biomass Energy

SEMESTER 4 19 WEEKS

ECT201	Biomass/Biomass Option
ECT203	Energy Economics
ECT204	Wind and Water Systems
MATH256	Computers and Microprocessors
MECH205	Fluid Mechanics
INST222	Instrumentation
MATH257	Mathematics

Option 2 Biomass Energy

SEMESTER 5 15 WEEKS

ECT300	ECT Option Theory
ECT301	ECT Option Lab Report
ELTC317	Electronic Control Systems
ENDR345	Drafting and Design
PHY300	Modern Physics and Technology
MATH354	Mathematics
ELS301	Supervision

Option 2 Biomass Energy

SEMESTER 6 19 WEEKS

ECT302	ECT Option Theory
ECT303	ECT Option Lab Report
ECT304	ECT Second Lab Report
ECTR305	Direct Energy Conversion
MATH355	Mathematics
ELS302	Report Writing

Courses offered and curriculum order may be subject to change

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